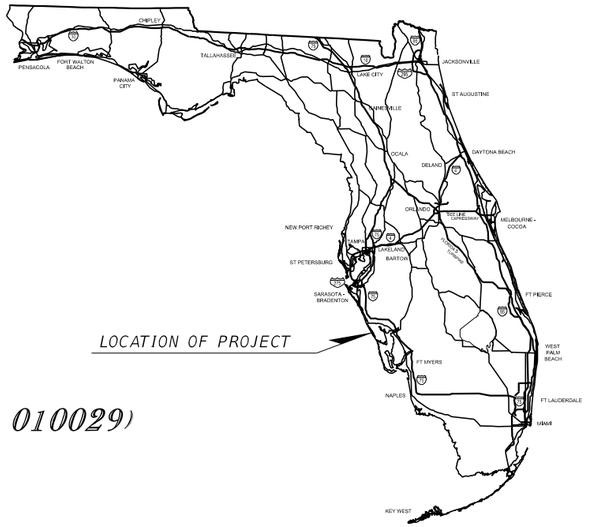
COMPONENTS OF CONTRACT PLANS SET

STRUCTURES PLANS
ELECTRICAL PLANS

CHARLOTTE COUNTY, FLORIDA

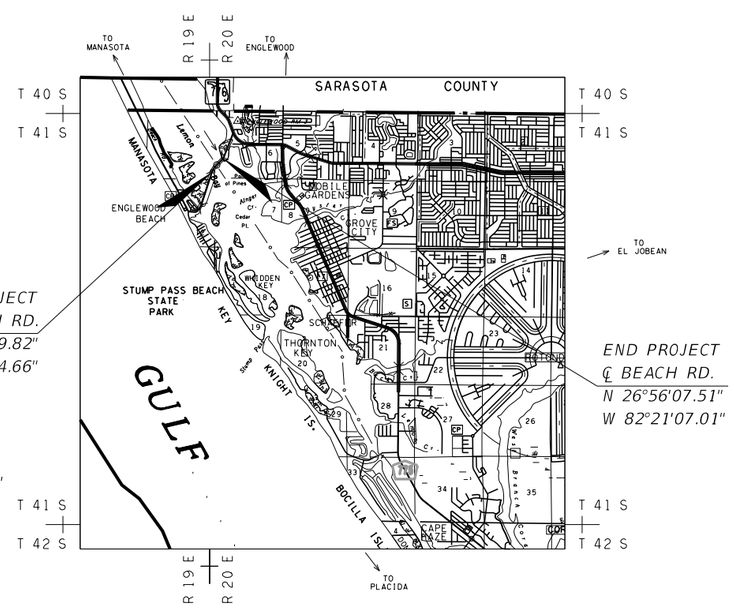


CONTRACT PLANS

CHARLOTTE COUNTY PUBLIC WORKS

TOM ADAMS BRIDGE REHABILITATION
TOM ADAMS BRIDGE OVER LEMON BAY ICWW (BRIDGE NO. 010029)

CONTRACT NO. 25-338 W.O. 344



BEGIN PROJECT
℄ BEACH RD.
N 26°55'59.82"
W 82°21'14.66"

END PROJECT
℄ BEACH RD.
N 26°56'07.51"
W 82°21'07.01"

LOCATION MAP
SECTION 6 TOWNSHIP 41S, RANGE 20E

GOVERNING STANDARDS & SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED FY 2025-26,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED FY 2025-26,
AS AMENDED BY CONTRACT DOCUMENTS.

FOR DESIGN STANDARDS CLICK ON "STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION"
AT THE FOLLOWING WEB SITE: HTTPS://WWW.FDOT.GOV/DESIGN/STANDARDPLANS/

SHOP DRAWINGS
TO BE SUBMITTED TO:

LEO E. RODRIGUEZ, PE
DRMP, INC.
15310 AMBERLY DRIVE
SUITE 310
TAMPA, FL 33647

PLANS PREPARED BY:

DRMP, INC.
15310 AMBERLY DRIVE
SUITE 310
TAMPA, FL 33647
PHONE: (813) 265-9800
LEO E. RODRIGUEZ, P.E. 78493

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

GOOGLE EARTH LINK PROVIDED FOR BRIDGE LOCATION.
https://maps.app.goo.gl/ygVfTy3iuw2nocdHA

COUNTY PROJECT MANAGER: KELLY SLAUGHTER

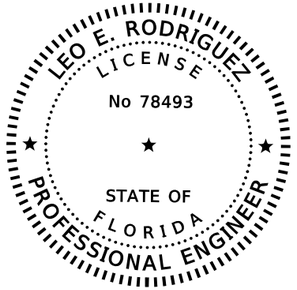
KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ENGINEER OF RECORD: LEO E. RODRIGUEZ, P.E.

P.E. NO.: 78493

FISCAL YEAR	SHEET NO.
26	B1-01

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL.

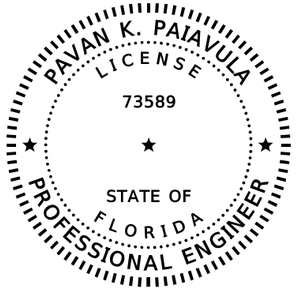
THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DRMP, INC.
LEO E. RODRIGUEZ, P.E.
P.E. LICENSE NUMBER 78493
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

STRUCTURE PLANS

SHEET NO.	SHEET DESCRIPTION
B1-01	KEY SHEET
B1-02	SIGNATURE SHEET
B1-03	INDEX OF SHEETS
B1-04	GENERAL NOTES (1 OF 3)
B1-05	GENERAL NOTES (2 OF 3)
B1-06	GENERAL NOTES (3 OF 3)
B1-07	SCOPE OF WORK (1 OF 4)
B1-08	SCOPE OF WORK (2 OF 4)
B1-09	SCOPE OF WORK (3 OF 4)
B1-10	SCOPE OF WORK (4 OF 4)
B1-11	SUMMARY OF QUANTITIES (1 OF 3)
B1-12	SUMMARY OF QUANTITIES (2 OF 3)
B1-13	SUMMARY OF QUANTITIES (3 OF 3)
B1-14	PLAN & ELEVATION
B1-15	BASCULE LEAF FRAMING PLAN (1 OF 2)
B1-16	BASCULE LEAF FRAMING PLAN (2 OF 2)
B1-17	STEEL REPAIR DETAILS
B1-18	MISCELLANEOUS REPAIR DETAILS
B1-19	SLOPE PROTECTION DETAILS
B1-20	FENDER REPAIR PLAN
B1-21	FENDER REPAIR DETAILS
B1-22	GENERAL CONCRETE SPALL REPAIR DETAILS
B1-23	EROSION CONTROL PLAN



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL.

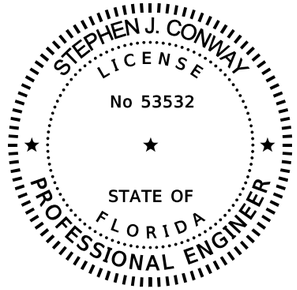
THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DRMP, INC.
PAVAN K. PAIAVULA, P.E.
P.E. LICENSE NUMBER 73589
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
B1-02	SIGNATURE SHEET
B1-24	TEMPORARY TRAFFIC CONTROL PLAN - GENERAL NOTES
B1-25	TEMPORARY TRAFFIC CONTROL PLANS



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL.

THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DRMP, INC.
STEPHEN J. CONWAY, P.E.
P.E. LICENSE NUMBER 53532
8001 BELFORT PARKWAY, SUITE 200
JACKSONVILLE, FL 32256

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ELECTRICAL PLANS

SHEET NO.	SHEET DESCRIPTION
B1-02	SIGNATURE SHEET
E-1	LEGEND
E-2	GENERAL ELECTRICAL PLAN
E-3	ELECTRICAL FLOOR PLAN
E-4	ONE LINE DIAGRAM
E-5	ONE LINE DIAGRAM
E-6	CONDUIT ROUTE
E-7	LIGHTING PANEL SCHEDULE

BRIDGE NO. 010029

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: CAH 10-25
CHECKED BY: DRJ 10-25
DESIGNED BY: DRJ 10-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: SIGNATURE SHEET

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-02

GENERAL SHEETS

STRUCTURES PLANS

ELECTRICAL PLANS

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: CG 10-25
CHECKED BY: DRJ 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: INDEX OF SHEETS

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-03

Plotted By: LRodriguez 1/23/2026 7:54:11 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1Index01.dgn

GENERAL NOTES

SPECIFICATIONS

1. GOVERNING STANDARDS AND CONSTRUCTION SPECIFICATIONS:
   - A) FLORIDA DEPARTMENT OF TRANSPORTATION FY2025-26 STANDARD PLANS AND REVISED INDEX DRAWINGS AS APPENDED HEREIN.
   - B) FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FY2025-26 EDITION, AS AMENDED BY CONTRACT DOCUMENTS.
2. DESIGN SPECIFICATIONS:
   - A) AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LOAD AND RESISTANCE FACTOR (LRFD) BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION AND APPROVED REVISIONS AND INTERIMS AS SPECIFIED IN THE FDOT STRUCTURES MANUAL.
   - B) FDOT STRUCTURES MANUAL DATED JANUARY 2025 AND SUBSEQUENT STRUCTURES DESIGN BULLETINS.

DESIGN METHOD

LOAD AND RESISTANCE FACTOR DESIGN (LRFD) METHOD USING STRENGTH, SERVICE AND FATIGUE LIMIT STATES.

PLAN DIMENSIONS

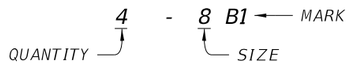
ALL DIMENSIONS IN THESE PLANS ARE MEASURED IN FEET AND INCHES EITHER HORIZONTALLY OR VERTICALLY UNLESS OTHERWISE NOTED.

EXISTING STRUCTURE

1. REMOVAL OF EXISTING STRUCTURE SHALL COMPLY WITH SECTION 110 OF THE SPECIFICATIONS.
2. STRUCTURE BUILT IN 1965. ORIGINAL 1965 PLANS, 2004 REHAB PLANS, AND 2018 REHAB PLANS ARE AVAILABLE.

MATERIALS

1. CONCRETE:
   - A) CHAMFER ALL FORMED CONCRETE CORNERS 3/4" UNLESS OTHERWISE NOTED.
   - B) CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT LOCATIONS SHOWN ON PLANS. ADDITIONAL CONSTRUCTION JOINTS OR ALTERNATE LOCATIONS TO THOSE SHOWN REQUIRE WRITTEN APPROVAL BY THE ENGINEER.
   - C) ALL CONCRETE IS TO BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 346.
2. REINFORCING STEEL:
   - A) ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60. PER SPECIFICATION SECTION 415.
   - B) TYPICAL REINFORCING BARS ARE DESIGNATED THUS:



3. STRUCTURAL STEEL:
   - A) ALL STRUCTURAL STEEL SHALL BE ASTM A709, GRADE 50.
   - B) ALL SCREWS SHALL BE GRADE 8 GALVANIZED MECHANICAL OR ALLOY STEEL.
   - C) STEEL PLATES AND SHAPES SHALL NOT BE GALVANIZED BUT SHALL MEET THE SURFACE PREPARATION FOR SSPC-SP10.
4. WELDING:
   - A) ALL WELDING, NON-DESTRUCTIVE TESTING AND CORRESPONDING WELD INSPECTION FOR STRUCTURAL STEEL SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF THE AASHTO/AWS D1.5 BRIDGE WELDING CODE. PROVIDE INSPECTION OF ALL WELDS. PROVIDE 100% TESTING OF FIELD WELDS AS FOLLOWS: FULL PENETRATION WELDS VIA UT FILLET WELDS VIA MT.
   - B) FIELD WELDING TO ANY STRUCTURE STEEL FOR THE PURPOSE OF ATTACHING ERECTION HARDWARE SHALL BE FORMALLY SUBMITTED TO THE ENGINEER FOR APPROVAL.
   - C) UNLESS NOTED OTHERWISE, WELDS SHALL BE $\frac{5}{16}$" CONTINUOUS FILLET WELDS, GROOVE WELDS SHALL BE COMPLETE JOINT PENETRATION (CJP) AND WELD ELECTRODES SHALL BE E70XX.
   - D) FIELD WELDING SHALL NOT BE ALLOWED UNLESS OTHERWISE NOTED.
5. FIELD CONNECTIONS:
   - A) ALL FIELD CONNECTIONS SHALL BE MADE WITH $\frac{3}{4}$" DIAMETER HIGH STRENGTH BOLTS IN ACCORDANCE WITH ASTM A325. ALLOWABLE LOADS SHALL BE BASED ON A CLASS A (SLIP COEFFICIENT 0.3) CONTACT SURFACE PER AASHTO.
   - B) ANCHOR BOLTS SHALL BE ASTM A307 AND HOT-DIP GALVANIZED UNLESS NOTED OTHERWISE.

MATERIALS (CONTINUED)

6. BOLTS:
   - A) HIGH STRENGTH BOLTS SHALL BE ASTM A325 TYPE 3 GALVANIZED. EXISTING BOLTS TO BE REPLACED SHALL BE REMOVED AND REPLACED WITH NEW BOLTS, NUTS, AND WASHERS ONE AT A TIME IN ANY CONNECTION. CONTRACTOR SHALL HAVE REPLACEMENT BOLTS AVAILABLE DURING ALL CLEANING AND PAINTING OPERATIONS.
   - B) DURING OR AFTER STEEL SURFACE PREPARATION FOR PAINTING, ANY LOOSE, MISSING OR DETERIORATED BOLTS HAVING A HEAD SECTION LOSS OF 50% OR MORE SHALL BE REPLACED. ANY BOLTS AND NUTS LOOSENED FOR ANY REASON SHALL BE REPLACED. THE CONTRACTOR AND ENGINEER SHALL AGREE ON THE BOLTS TO BE REPLACED BASED UPON THEIR CONDITION AT THE TIME THE STEEL IS BEING PREPARED. EXISTING BOLTS TO BE REPLACED SHALL BE REMOVED USING MECHANICAL MEANS. REMOVAL BY TORCHING IS PROHIBITED. REMOVED BOLTS SHALL BE REMOVED AND REPLACED WITHIN THE SAME WORK PERIOD. BOLTS SHALL BE REMOVED FROM ONLY ONE PLATE ON ONE MEMBER AT A TIME. BOLTS SHALL NOT BE REMOVED FROM MORE THAN ONE PANEL POINT AT A TIME. THE CONTRACTOR SHALL NOT REMOVE MORE BOLTS THAN CAN BE RE-INSTALLED IN ONE WORK SESSION. NEW BOLTS SHALL BE INSTALLED AND PROPERLY TIGHTENED IN ACCORDANCE WITH THE SPECIFICATIONS BEFORE REMOVING BOLTS ELSEWHERE. WHEN BOLTS ARE BEING REPLACED WHILE TRAFFIC IS USING THE BRIDGE, A MAXIMUM OF 5% OF THE BOLTS IN THE BOLT GROUP CONNECTING ANY ONE MEMBER MAY BE REMOVED AT A TIME. WHEN BOLTS ARE BEING REPLACED WHILE TRAFFIC IS NOT USING THE BRIDGE, A MAXIMUM OF 20% OF THE BOLTS IN THE BOLT GROUP CONNECTING ANY ONE MEMBER MAY BE REMOVED AT A TIME. ANY PROPOSED CHANGE BY THE CONTRACTOR TO THE BOLT REMOVAL AND REPLACEMENT REQUIREMENTS STATED ABOVE MUST BE ACCOMPANIED BY A SIGNED AND SEALED ANALYSIS BY A SPECIALTY ENGINEER WITH A PROFESSIONAL ENGINEER LICENSE IN THE STATE OF FLORIDA.
7. FENDER:
   - A) WALER MEMBERS - STRUCTURAL COMPOSITE FRP LUMBER. SEE SECTION 973 OF THE SPECIFICATIONS.
   - B) BLOCKING - NON-REINFORCED PLASTIC LUMBER. SEE SECTION 973 OF THE SPECIFICATIONS. SOUTHERN PINE INSPECTION BUREAU (SPIB) FOR SURFACE DRIED SOUTHERN PINE NO. 1.
   - C) UTILIZE MARINE GRADE (SS316) STAINLESS STEEL BOLTS AND HARDWARE FOR ALL FENDER CONNECTIONS WHEREVER POSSIBLE. REPLACEMENT OF HARDWARE SIZE AND TYPE SHALL BE IN KIND.

PAINTING NOTES

1. REFER TO TECHNICAL SPECIAL PROVISIONS (TSP'S). ALL PAINTED OR COLORED MATERIAL SURFACES SHALL BE SELECTED AND APPROVED BY THE COUNTY. THE COST OF COLORING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAY ITEM TO BE COLORED.
2. SUBMIT COLOR SAMPLES OF ALL FINISH COLORS TO THE ENGINEER FOR REVIEW. A MINIMUM OF FOUR SAMPLES OF EACH COLOR AND MATERIAL SHALL BE SUBMITTED. SAMPLES SHALL BE A MINIMUM OF 4"x6" IN SIZE. LOCATE SAMPLES ON INSIDE SURFACES AT BASCULE PIER.
3. SUBMIT A POLLUTION CONTROL AND MONITORING PLAN AND A CONTAINMENT SYSTEM DESIGN PLAN TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
4. CLEANING AND COATING WORK MAY REQUIRE OPENING OF MAIN BASCULE SPAN. PERFORM WORK DURING NIGHT TIME HOURS. REFER TO TTCP SHEETS FOR ADDTIONAL DETAIL.

CONSTRUCTION LOADING

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE IF EQUIPMENT AND MATERIAL LOADS CAN BE SUPPORTED BY THE BRIDGE. SUBMIT CALCULATIONS TO THE ENGINEER PRIOR TO CONSTRUCTION.

ABBREVIATIONS

EF	DENOTES "EACH FACE"
NF	DENOTES "NEAR FACE"
FF	DENOTES "FAR FACE"
FFBW	DENOTES "FRONT FACE OF BACK WALL"
UNO	DENOTES "UNLESS NOTED OTHERWISE"
ESMT	DENOTES "EASEMENT"
MG	MAIN GIRDER
FB	FLOORBEAM
CG	COUNTERWEIGHT GIRDER

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: DRJ 08-25
CHECKED BY: CAH 10-25
DESIGNED BY: DRJ 08-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: GENERAL NOTES (1 OF 3)

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-04

GENERAL NOTES (CONTINUED)

DRAWINGS AND DIMENSIONS:

1. DO NOT SCALE DRAWINGS.
2. VERIFY RELEVANT EXISTING FIELD CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING REPAIRS OR ORDERING ANY MATERIALS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND.

ENVIRONMENT:

LOCATION - COASTAL (SALT-WATER)
SUPERSTRUCTURE: EXTREMELY AGGRESSIVE
SUBSTRUCTURE: EXTREMELY AGGRESSIVE

DIMENSION VERIFICATION:

THE DIMENSIONS, ELEVATIONS, AND INTERSECTION ANGLES SHOWN ARE BASED ON LIMITED INFORMATION FROM EXISTING DOCUMENTS AND FIELD MEASUREMENTS. VERIFY THE DATA BEFORE CONSTRUCTION OR ORDERING MATERIALS.

VERTICAL DATUM:

PLAN ELEVATIONS ARE IN FEET AND REFER TO NAVD88 DATUM. VERIFY THE RELEVANT ELEVATIONS IN THE FIELD.

REPAIRS TO EXISTING BRIDGE:

DO NOT DAMAGE THE EXISTING BRIDGE OR BRIDGE APPURTENANCES. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE COUNTY'S SATISFACTION AT NO COST TO THE COUNTY.

CONTROL OF WORK:

PROVIDE SAFE ACCESS FOR THE ENGINEER AT ALL TIMES FOR INSPECTION OF THE PROJECT. THIS INCLUDES, BUT IS NOT LIMITED TO, SCAFFOLDING REMAINING IN PLACE UNTIL THE ENGINEER CAN PERFORM ALL REQUIRED TESTING AND INSPECTION OF THE CLEANING AND PAINTING OPERATIONS.

INCIDENTAL ITEMS:

PAYMENT FOR INCIDENTAL ITEMS NOT SPECIFICALLY COVERED IN THE INDIVIDUAL PAY ITEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR BID ITEMS CONTAINED IN THIS CONTRACT.

PHASING OF WORK:

WORK PHASING AND PROGRESSION OF THE WORK SHALL CONFORM WITH THE TRAFFIC CONTROL NOTES AND THE NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS AND APPLICABLE STANDARDS.

CONCRETE RESTORATION:

FOR REQUIREMENTS ON SURFACE PREPARATION MIXING, PLACING, FINISHING, MATERIAL, AND OTHER RELATED ITEMS, REFER TO THE FDOT SPECIFICATIONS.

SITE CONDITIONS:

1. BE AWARE OF THE SITE CONDITIONS REGARDING WATER DEPTH AND DO NOT DISTURB THE HABITAT.
2. BULKHEAD WALL AND PILE JACKET SPALL AND CRACK REPAIRS MAY BE LOCATED UNDERWATER AND REQUIRE UNDERWATER REPAIR TECHNIQUES. PROVIDE TEMPORARY FORMWORK INSTALLATION DETAILS TO ENGINEER FOR APPROVAL.

CONCRETE COVER:

CONCRETE COVER SHOWN IN THE PLANS DOES NOT INCLUDE PLACEMENT OR FABRICATION TOLERANCES UNLESS SHOWN AS "MINIMUM COVER". SEE FDOT SPECIFICATIONS FOR ALLOWABLE TOLERANCES.

MATERIAL PRODUCTS:

MATERIAL MEETING THE REQUIREMENTS OF THE FDOT APPROVED PRODUCTS LIST (APL) AND PLANS AND SPECIFICATIONS SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED MANUFACTURER'S RECOMMENDATIONS.

EMERGENCY GENERATOR:

REFER TO ELECTRICAL SHEETS.

MARINE TRAFFIC:

PREPARE AND SUBMIT TO THE ENGINEER FOR APPROVAL A MARINE TRAFFIC CONTROL PLAN INCLUDING SCHEDULE WHICH WILL LEAST INTERRUPT THE NORMAL OPERATION OF MARINE TRAFFIC. THE PLAN SHALL IDENTIFY ALL WORK WHICH WILL RESTRICT THE NAVIGATIONAL CHANNEL. THE PLAN SHALL BE SUBMITTED PRIOR TO COMMENCEMENT OF WORK.

NOTIFY LT. CLARK SANFORD AT THE USCG SECTOR ST. PETERSBURG AT 813-228-2191 EXT. 8105 PRIOR TO THE COMMENCEMENT OF ACTIVITIES. IN ADVANCE OF ACTIONS DURING CONSTRUCTION WHICH POTENTIALLY AFFECT WATERWAY USERS AND PRIOR TO PLACEMENT OF ANY FLOATING CONSTRUCTION EQUIPMENT IN THE WATERWAY, NOTIFY NO LESS THAN 60 DAYS IN ADVANCE OF ACTIONS WHICH COULD POTENTIALLY AFFECT THE WATERWAY. KEEP CHANNEL OPEN TO TRAFFIC AT ALL TIMES.

PROTECTION OF WATER RESOURCES:

1. CONDUCT ACTIVITIES IN A MANNER TO AVOID POLLUTION OF SURFACE AND GROUND WATER AND WETLANDS. THE CONSTRUCTION METHODS SHALL PROTECT WETLAND AND SURFACE WATER AREAS FROM DAMAGE DUE TO MECHANICAL GRADING, EROSION, SEDIMENTATION, VEHICULAR TRAFFIC, AND TURBID DISCHARGES. NO STORAGE OR STOCKPILING OF EQUIPMENTS IS ALLOWED WITHIN ANY WETLAND AREA UNLESS SPECIFICALLY AUTHORIZED UNDER PERMIT. WATER DIRECTLY DERIVED FROM CONSTRUCTION ACTIVITIES SHALL BE COLLECTED IN RETENTION AREAS TO ALLOW SETTLING OF SUSPENDED MATERIALS. ALL MONITORING OF ANY WATER AREAS THAT ARE AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. IMMEDIATELY REMOVE DEBRIS THAT FALLS IN THE WATER AT THE CONTRACTOR'S OWN EXPENSE.

OIL, FUEL AND HAZARDOUS SUBSTANCE SPILL PREVENTION:

PREPARE A SPILL CONTINGENCY PLAN IN ACCORDANCE WITH 40CFR, PART 109. THE PLAN IS REQUIRED TO PREVENT OIL, FUEL OR OTHER HAZARDOUS SUBSTANCES FROM ENTERING THE AIR, GROUND, DRAINAGE, AND LOCAL BODIES OR WETLANDS. IN THE EVENT THAT A SPILL OCCURS, DESPITE DESIGN AND PROCEDURAL CONTROLS, TAKE IMMEDIATE ACTION TO CONTAIN AND CLEANUP THE SPILL AND REPORT THE SPILL IMMEDIATELY TO THE COUNTY'S REPRESENTATIVE. SUBMIT A WRITTEN REPORT PROVIDING CERTIFICATION OF COMMITMENT OF MANPOWER, EQUIPMENT AND MATERIALS NECESSARY TO PREVENT THE SPREAD AND EFFECT EXPEDITIOUS CLEANUP AND DISPOSAL.

FISH AND WILDLIFE RESOURCES PROTECTION:

1. CONTROL AND MINIMIZE INTERFERENCE WITH, DISTURBANCE TO, AND DAMAGE TO FISH AND WILDLIFE RESOURCES WHERE APPROPRIATE. THE ENVIRONMENTAL PROTECTION PLAN SHOULD LIST ANY THREATENED AND ENDANGERED SPECIES THAT NEED SPECIFIC PROTECTION MEASURES. THE PERSON RESPONSIBLE FOR THE ENVIRONMENTAL PROTECTION PLAN MUST IDENTIFY THE THREATENED AND ENDANGERED SPECIES LISTED. IF THE CONTRACTOR OBSERVES ANY ACTIVITY THAT MIGHT ADVERSELY IMPACT THREATENED OR ENDANGERED SPECIES, IMMEDIATELY NOTIFY THE COUNTY AND THE COUNTY'S REPRESENTATIVE. THE COUNTY'S REPRESENTATIVE HOLDS THE SOLE AUTHORITY TO STOP WORK, CREATE A BUFFER AREA, OR RESTART CONSTRUCTION ACTIVITIES.
2. IN THE EVENT THAT THE COUNTY'S REPRESENTATIVE DETERMINES THE ADVERSE IMPACT TO THREATENED OR ENDANGERED SPECIES MAY OCCUR AS A RESULT OF THE CONSTRUCTION ACTIVITIES, THE COUNTY SHALL NOTIFY THE CORPS OF ENGINEERS AND THE FISH AND WILDLIFE SERVICE. ADVERSE IMPACT IS DEFINED AS TO HARASS, HARM, PURSUE, HUNT, SHOOT, WOUND, KILL, TRAP, CAPTURE, COLLECT, OR TO ATTEMPT TO ENGAGE IN ANY SUCH CONDUCT.

UTILITIES:

1. LOCATE RELEVANT UTILITIES (INCLUDING SUBAQUEOUS CHANNEL CROSSINGS) BEFORE COMMENCING CONSTRUCTION. CONTACT SUNSHINE 811 AND ANY OTHER LOCAL UTILITIES TO VERIFY THE UTILITIES EXISTING AT THE CONSTRUCTION SITE. IF ANY UTILITIES CONFLICT WITH PROPOSED CONSTRUCTION METHODS, MATERIALS, OR EQUIPMENT, NOTIFY THE ENGINEER.
2. DATA CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE.
3. ENSURE THAT ANY EXISTING UTILITIES ARE NOT ENDANGERED OR DISTURBED DURING CONSTRUCTION, AND THAT ACTIVE UTILITIES ARE PROPERLY MAINTAINED WITHIN THE CONSTRUCTION LIMITS.

CHARLOTTE COUNTY UTILITIES - SW	(941) 764-4309
CENTURYLINK	(850) 599-1444
COMCAST	(239) 253-7642
FLORIDA POWER & LIGHT - CHARLOTTE	(386) 586-6403

BRIDGE NO. 010029

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: DRJ 08-25
CHECKED BY: CAH 10-25
DESIGNED BY: DRJ 08-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: GENERAL NOTES (2 OF 3)
REF. DWG. NO.:
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION
SHEET NO.: B1-05

Plotted By: LRodriguez 1/23/2026 7:54:13 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1GeneralNotes.dgn

GENERAL NOTES (CONTINUED)

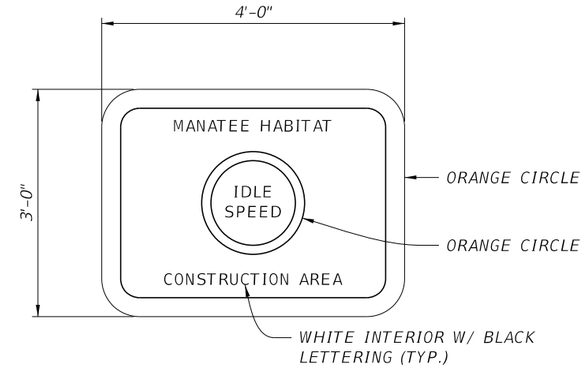
TURBIDITY CONTROL

PROVIDE AND MAINTAIN TURBIDITY BARRIERS IN ACCORDANCE WITH SWFWMD PERMIT.

ENVIRONMENTAL COMMITMENTS

1. COMPLY WITH THE FOLLOWING PROTECTED SPECIES CONSTRUCTION CONDITIONS REGARDING SEA TURTLES AND SMALL TOOTH SAWFISH:
   - A) INSTRUCT ALL PERSONNEL ASSOCIATED WITH THE PROJECT OF THE POTENTIAL PRESENCE OF THESE SPECIES AND THE NEED TO AVOID COLLISIONS WITH SEA TURTLES AND SMALLTOOTH SAWFISH. ALL CONSTRUCTION PERSONNEL ARE RESPONSIBLE FOR OBSERVING WATER-RELATED ACTIVITIES FOR THE PRESENCE OF THESE SPECIES.
   - B) ADVISE ALL CONSTRUCTION PERSONNEL THAT THERE ARE CIVIL AND CRIMINAL PENALTIES FOR HARMING, HARASSING, OR KILLING SEA TURTLES OR SMALLTOOTH SAWFISH, WHICH ARE PROTECTED UNDER THE ENDANGERED SPECIES ACT OF 1973.
   - C) SILATION BARRIERS SHALL BE MADE OF MATERIAL IN WHICH SEA TURTLES OR SMALLTOOTH SAWFISH CANNOT BECOME ENTANGLED, SHALL BE PROPERLY SECURED, AND SHALL BE REGULARLY MONITORED TO AVOID PROTECTED SPECIES ENTRAPMENT. BARRIERS MAY NOT BLOCK SEA TURTLE OR SMALLTOOTH SAWFISH ENTRY TO OR EXIT FROM DESIGNATED CRITICAL HABITAT WITHOUT PRIOR AGREEMENT FROM THE NATIONAL MARINE FISHERIES SERVICE'S PROTECTED RESOURCES DIVISION, ST. PETERSBURG, FLORIDA.
   - D) ALL VESSELS ASSOCIATED WITH THE CONSTRUCTION PROJECT SHALL OPERATE AT "NO WAKE/IDLE" SPEEDS AT ALL TIMES WHILE IN THE CONSTRUCTION AREA AND WHILE IN WATER DEPTHS WHERE THE DRAFT OF THE VESSEL PROVIDES LESS THAN A FOUR-FOOT CLEARANCE FROM THE BOTTOM. ALL VESSELS WILL PREFERENTIALLY FOLLOW DEEP-WATER ROUTES (E.G., MARKED CHANNELS) WHENEVER POSSIBLE.
   - E) IF A SEA TURTLE OR SMALLTOOTH SAWFISH IS SEEN WITHIN 100 YARDS OF THE ACTIVE DAILY CONSTRUCTION/DREDGING OPERATION OR VESSEL MOVEMENT, ALL APPROPRIATE PRECAUTIONS SHALL BE IMPLEMENTED TO ENSURE ITS PROTECTION. THESE PRECAUTIONS SHALL INCLUDE CESSATION OF OPERATION OF ANY MOVING EQUIPMENT CLOSER THAN 50 FEET OF A SEA TURTLE OR SMALLTOOTH SAWFISH. OPERATION OF ANY MECHANICAL CONSTRUCTION EQUIPMENT SHALL CEASE IMMEDIATELY IF A SEA TURTLE OR SMALLTOOTH SAWFISH IS SEEN WITHIN A 50-FT RADIUS OF THE EQUIPMENT. ACTIVITIES MAY NOT RESUME UNTIL THE PROTECTED SPECIES HAS DEPARTED THE PROJECT AREA OF ITS OWN VOLITION.
   - F) ANY COLLISION WITH AND/OR INJURY TO A SEA TURTLE OR SMALLTOOTH SAWFISH SHALL BE REPORTED IMMEDIATELY TO THE NATIONAL MARINE FISHERIES SERVICES PROTECTED RESOURCES DIVISION (727-824-5312) AND THE LOCAL AUTHORIZED SEA TURTLE STRANDING/RESCUE ORGANIZATION.
2. THE PERMITTEE SHALL COMPLY WITH THE FOLLOWING CONDITIONS INTENDED TO PROTECT MANATEES FROM DIRECT PROJECT EFFECTS:
   - A) INSTRUCT ALL PERSONNEL ASSOCIATED WITH THE PROJECT ABOUT THE PRESENCE OF MANATEES AND MANATEE SPEED ZONES, AND THE NEED TO AVOID COLLISIONS WITH AND INJURY TO MANATEES. ADVISE ALL CONSTRUCTION PERSONNEL THAT THERE ARE CIVIL AND CRIMINAL PENALTIES FOR HARMING, HARASSING, OR KILLING MANATEES WHICH ARE PROTECTED UNDER THE MARINE MAMMAL PROTECTION ACT, THE ENDANGERED SPECIES ACT, AND THE FLORIDA MANATEE SANCTUARY ACT.
   - B) ALL VESSELS ASSOCIATED WITH THE CONSTRUCTION PROJECT SHALL OPERATE AT "IDLE SPEED/NO WAKE" AT ALL TIMES WHILE IN THE IMMEDIATE AREA AND WHILE IN WATER WHERE THE DRAFT OF THE VESSEL PROVIDES LESS THAN A FOUR-FOOT CLEARANCE FROM THE BOTTOM. ALL VESSELS WILL FOLLOW ROUTES OF DEEP WATER WHENEVER POSSIBLE.
   - C) SILTATION OR TURBIDITY BARRIERS SHALL BE MADE OF MATERIAL IN WHICH MANATEES CANNOT BECOME ENTANGLED, SHALL BE PROPERLY SECURED, AND SHALL BE REGULARLY MONITORED TO AVOID MANATEE ENTANGLEMENT OR ENTRAPMENT. BARRIERS MUST NOT IMPEDE MANATEE MOVEMENT.
   - D) ALL ON-SITE PROJECT PERSONNEL ARE RESPONSIBLE FOR OBSERVING WATER-RELATED ACTIVITIES FOR THE PRESENCE OF MANATEE(S). ALL IN-WATER OPERATIONS, INCLUDING VESSELS, MUST BE SHUTDOWN IF A MANATEE(S) COMES WITHIN 50 FEET OF THE OPERATION. ACTIVITIES WILL NOT RESUME UNTIL THE MANATEE(S) HAS MOVED BEYOND THE 50-FOOT RADIUS OF THE PROJECT OPERATION, OR UNTIL 30 MINUTES ELAPSES IF THE MANATEE(S) HAS NOT REAPPEARED WITHIN 50 FEET OF THE OPERATION. ANIMALS MUST NOT BE HERDED AWAY OR HARASSED INTO LEAVING.
   - E) ANY COLLISION WITH OR INJURY TO A MANATEE SHALL BE REPORTED IMMEDIATELY TO THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) HOTLINE AT 1-888-404-3922. COLLISION AND/OR INJURY SHOULD ALSO BE REPORTED TO THE U.S. FISH AND WILDLIFE SERVICE IN JACKSONVILLE (1-904-731-3336) FOR NORTH FLORIDA OR IN VERO BEACH (1-722-562-3909) FOR SOUTH FLORIDA, AND EMAILED TO FWC AT IMPERILEDSPECIES@MYFWC.COM.
   - F) TEMPORARY SIGNS CONCERNING MANATEES SHALL BE POSTED PRIOR TO AND DURING ALL IN-WATER PROJECT ACTIVITIES. ALL SIGNS ARE TO BE REMOVED UPON COMPLETION OF THE PROJECT. TEMPORARY SIGNS THAT HAVE ALREADY BEEN APPROVED FOR THIS USE BY THE FWC MUST BE USED. ONE SIGN WHICH READ "CAUTION: BOATERS" MUST BE POSTED. A SECOND SIGN MEASURING AT LEAST 8½" BY 11" EXPLAINING THE REQUIREMENTS FOR "IDLE SPEED/NO WAKE" AND THE SHUT DOWN OF IN-WATER OPERATIONS MUST BE POSTED IN A LOCATION PROMINENTLY VISIBLE TO ALL PERSONNEL ENGAGED IN WATER-RELATED ACTIVITIES. THESE SIGNS CAN BE VIEWED AT HTTP://WWW.MYFWC.COM/WILDLIFEHABITATS/MANATEE_SIGN_VENDORS.HTM. QUESTIONS CONCERNING THESE SIGNS CAN BE FORWARDED TO THE EMAIL ADDRESS LISTED ABOVE. COST FOR SIGNS AND OTHER ACTIVITIES TO COMPLY WITH PERMIT REQUIREMENTS SHALL BE INCIDENTAL TO PAY ITEM 101-1, MOBILIZATION.

SPECIAL MANATEE PROTECTION CONDITIONS (CONTINUED):



G) A SECOND SIGN MEASURING AT LEAST 8½" X 11" EXPLAINING THE REQUIREMENTS FOR "IDLE SPEED/NO WAKE" AND THE SHUT DOWN OF IN-WATER OPERATIONS MUST BE POSTED IN A LOCATION PROMINENTLY VISIBLE TO ALL PERSONNEL ENGAGED IN WATER-RELATED ACTIVITIES.

CAUTION: MANATEE HABITAT

All Project Vessels
IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must
SHUT DOWN

Report any collision or injury to:
1-888-404-FWCC (1-888-404-3922)

Florida Fish and Wildlife Conservation Commission

ALL SIGNS ARE TO BE REMOVED BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT.

BRIDGE NO. 010029

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY:	DRJ 08-25
CHECKED BY:	CAH 10-25
DESIGNED BY:	DRJ 08-25
CHECKED BY:	CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: GENERAL NOTES (3 OF 3)

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-06

Plotted By: LRodriguez 1/23/2026 7:54:14 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1GeneralNotes.dgn

SCOPE OF WORK

ITEM	LOCATION	DESCRIPTION OF WORK	REPAIR SHEET NO('S)	SHEET NAME(S)	INSPECTION REPORT PAGE NUMBER(S)
1	OPEN GRID DECKING	CLEAN AND COAT LONGITUDINAL SPACER BARS BETWEEN MAIN GIRDERS AND PRIMARY BARS WITH ACTIVE CORROSION AND SECTION LOSS/PACK RUST	B1-04	GENERAL NOTES (1 OF 3)	3 & A3
2	OPEN GRID DECKING	REPAIR CRACKED WELDS BETWEEN PRIMARY BAR TO STRINGER CONNECTIONS (12 LOCATIONS). REPAIR CRACKED WELDS BETWEEN SECONDARY BAR TO PRIMARY BAR CONNECTIONS (14 LOCATIONS).	B1-04 & B1-17	GENERAL NOTES (1 OF 3) & MISCELLANEOUS REPAIR DETAILS	3, A4 & A5
3	MAIN SPAN - EXPANSION JOINTS	CLEAN AND COAT AREAS OF ACTIVE CORROSION ON STEEL NOSING AND TRAFFIC PLATES (BOTTOM AND TOP SURFACES)	B1-13	SUMMARY OF QUANTITIES (3 OF 3)	3, 4, A6 & A7
4	MAIN SPAN - ALL MAIN GIRDERS	STRENGTHEN THE FOLLOWING WEB AREAS AT CORROSION HOLES: MG10-1 ABOVE LIVE LOAD SHOE AT BASCULE PIER 10; MG10-2 AT BOTH LIVE LOAD SHOES	B1-17	STEEL REPAIR DETAILS	17, 18 & A64
5	TENDER HOUSE	REPLACE EMERGENCY GENERATOR LOCATED IN TENDER HOUSE	B1-05 & ELECTRICAL SHEETS	GENERAL NOTES (2 OF 3)	11 & A27
6	STEEL SUPERSTRUCTURE	SPOT CLEAN AND COAT AREAS OF CORROSION AND SECTION LOSS.	B1-09 & B1-10	SCOPE OF WORK (3 OF 4) & SCOPE OF WORK (4 OF 4)	N/A
7	FLANKING SPANS - INTERMEDIATE DIAPHRAGMS	REPAIR SPALLS/DELAMINATIONS AT DIAPHRAGM BETWEEN BEAM 9-1 & 9-2, AND DIAPHRAGM BETWEEN BEAM 9-2 & 9-3	B1-12 & B1-22	SUMMARY OF QUANTITIES (2 OF 3) & GENERAL CONCRETE SPALL REPAIR DETAILS	27 & A85
8	APPROACH SPANS - PRESTRESSED CONCRETE GIRDERS	REPAIR SPALLS/DELAMINATIONS AT THE FOLLOWING LOCATIONS: BEAM 1-3 END AT ABUTMENT 1; BEAM 2-4 END AT BENT 2; BEAM 5-4 END AT BENT 5; BEAM 18-3 END AT BENT 19; BENT 19-1 END AT ABUTMENT 20	B1-12 & B1-22	SUMMARY OF QUANTITIES (2 OF 3) & GENERAL CONCRETE SPALL REPAIR DETAILS	27, 28, A87 & A88
9	APPROACH SPANS - PRESTRESSED CONCRETE GIRDERS	CLEAN EXPOSED STIRRUP AND APPLY COLD GALVANIZING PAINT TO BEAM 19-4 NEAR ABUTMENT 20	N/A	N/A	27, 28 & A89
10	APPROACH SPANS - FIXED BEARINGS	INSTALL NUT ON BEAM 1-1 AND BEAM 1-3 AT ABUTMENT 1, SOUTH ANCHOR BOLTS	B1-04	GENERAL NOTES (1 OF 3)	26
11	ABUTMENT CONCRETE SLOPE PROTECTION	REPAIR CRACKS IN SLOPE PROTECTION AT ABUTMENT 20	B1-12 & B1-18	SUMMARY OF QUANTITIES (2 OF 3) & MISCELLANEOUS REPAIR DETAILS	25
12	MISCELLANEOUS	CLEAN AND COAT CONCRETE AREAS AT SPAN 1 & SPAN 19 WITH GRAFFITI. AREAS INCLUDE THE FOLLOWING: CONCRETE SLOPE PROTECTION UNDER BRIDGE; VERTICAL FACE OF ABUTMENT CAP, AND SUPERSTRUCTURE UNDERSIDE TO THE SEAWALL	B1-13	SUMMARY OF QUANTITIES (3 OF 3)	29 & A90
13	SEAWALL	REPAIR SPALLS/DELAMINATIONS IN EAST WALL AND WEST WALL. CLOSE OPEN JOINTS IN WEST BULKHEAD WALL WITH ACTIVE BACKFILL LEAKAGE (APPROX. 10 LOCATIONS)	B1-12, B1-18 & B1-22	SUMMARY OF QUANTITIES (2 OF 3), MISCELLANEOUS REPAIR DETAILS & GENERAL CONCRETE SPALL REPAIR DETAILS	25 & 2024 UW REPORT
14	PILE JACKETS	PERFORM UNDERWATER INSPECTION OF ALL PILE JACKETS INCLUDING CATHODIC PROTECTION SYSTEM. PROVIDE REPORT INCLUDING ESTIMATED REMAINING AMOUNT OF ANODE. DESIGN AND REPAIR PILE JACKET DEFICIENCIES AGREED UPON BY THE COUNTY AFTER REVIEW OF REPORT.	B1-05	GENERAL NOTES (2 OF 3)	23, 24, A83 & 2024 UW REPORT
15	FENDER SYSTEM	REPAIR PILE SPALLS/DELAMINATIONS AND CRACKS	B1-12, B1-18, B1-20 & B1-22	SUMMARY OF QUANTITIES (2 OF 3), MISCELLANEOUS REPAIR DETAILS, FENDER REPAIRS PLAN & GENERAL CONCRETE SPALL REPAIR DETAILS	7, 8, A2 & A14
16	FENDER SYSTEM	REPLACE THE FOLLOWING HARDWARE: ALL PILE CLUSTER CABLES WITH STAINLESS STEEL CABLE (64 TOTAL); CORRODED WALER HARDWARE	B1-04	GENERAL NOTES (1 OF 3)	7 & 8
17	FENDER SYSTEM	REPLACE BOTTOM TWO ROWS OF WALER BEAMS AND BLOCKING ON BOTH FENDERS.	B1-20 & B1-21	FENDER REPAIRS PLAN & FENDER REPAIR DETAILS	7 & 8
18	FENDER SYSTEM	REPLACE THE FOLLOWING: NAVIGATIONAL LIGHTS; ALL CLEARANCE GAUGE LIGHTS; NORTHWEST AND SOUTHEAST CLEARANCE GAUGES. DO NOT REPLACE WIRING.	B1-05 & B1-20	GENERAL NOTES (2 OF 3) & FENDER REPAIRS PLAN	7 & 8

NOTE:
SPAN AND MEMBER IDENTIFICATION BASED ON INSPECTION REPORT.
REFER TO EXISTING PLANS FOR ADDITIONAL INFORMATION.

CROSS REFERENCE:
WORK THIS SHEET WITH B1-08 THRU B1-10.

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: DRJ 09-25
CHECKED BY: DD 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: SCOPE OF WORK (1 OF 4)
REF. DWG. NO.:
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION
SHEET NO.: B1-07

SCOPE OF WORK – CLEAN & COAT STEEL SUPERSTRUCTURE

ITEM	LOCATION	DESCRIPTION OF WORK	REPAIR SHEET NO.('S)	SHEET NAME(S)	INSPECTION REPORT PAGE NUMBER(S)
1C	MAIN SPAN – LIVE LOAD SHOES	CLEAN AND COAT ALL LIVE LOAD SHOES AND HARDWARE	B1-13, B1-15 & B1-16	SUMMARY OF QUANTITIES (4 OF 4), BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	13 & A36
2C	MAIN SPAN – COUNTERWEIGHT SUPPORT	CLEAN AND COAT CG10-1 & CG10-4 BOTTOM FLANGE AND LOWER 3" OF WEB	B1-13, B1-15 & B1-16	SUMMARY OF QUANTITIES (4 OF 4), BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	13
3C	MAIN SPAN – COUNTERWEIGHT SUPPORT WITHIN BASCULE PIER	CLEAN AND COAT CG10-2 & CG10-3 TOP FLANGE	B1-13, B1-15 & B1-16	SUMMARY OF QUANTITIES (4 OF 4), BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	13 & A37
4C	MAIN SPAN – STRINGERS	CLEAN AND COAT END OF STRINGERS INCLUDING SUPPORT ANGLES AND HARDWARE WITH ACTIVE CORROSION AND PACK RUST (APPROX. 10 LOCATIONS)	B1-13, B1-15 & B1-16	SUMMARY OF QUANTITIES (4 OF 4), BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	18, 19 & A69
5C	MAIN SPAN – SIDEWALK SUPPORT STRINGERS	CLEAN AND COAT TOP & BOTTOM FLANGE OF STRINGERS WITHIN BASCULE PIERS WITH ACTIVE CORROSION	B1-13, B1-15 & B1-16	SUMMARY OF QUANTITIES (4 OF 4), BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	18, 19 & A70
6C	MAIN SPAN – FLOOR BEAMS 10-1 & 10-8	CLEAN AND COAT THE FOLLOWING AREAS: LOWER HALF OF FLOOR BEAM TO MAIN GIRDER CONNECTIONS; FLOOR BEAM TO STRINGER CONNECTIONS (APPROX. 4 LOCATIONS)	B1-13, B1-15 & B1-16	SUMMARY OF QUANTITIES (4 OF 4), BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	19, 20 & A72
7C	MAIN SPAN – FLOOR BEAMS 10-1 & 10-8	CLEAN AND COAT TOP FLANGE AND BOTTOM FLANGE, FULL LENGTH	B1-13, B1-15 & B1-16	SUMMARY OF QUANTITIES (4 OF 4), BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	19, 20 & A73
8C	MAIN SPAN – FLOOR BEAM 10-6	CLEAN AND COAT MAIN GIRDER 10-1 CONNECTION	B1-13 & B1-16	SUMMARY OF QUANTITIES (4 OF 4) & BASCULE LEAF FRAMING PLAN (2 OF 2)	19 & 20
9C	MAIN SPAN – SIDEWALK CANTILEVER SUPPORT BRACKETS	CLEAN AND COAT ALL BRACKETS INCLUDING GUSSET PLATES AND HARDWARE	B1-13, B1-15 & B1-16	SUMMARY OF QUANTITIES (4 OF 4), BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	19, 20 & A71
10C	MAIN SPAN – ALL MAIN GIRDERS	CLEAN AND COAT THE FOLLOWING: WEB STIFFENER TO BOTTOM FLANGE CONNECTIONS (APPROX. 80 LOCATIONS); CLEAN AND COAT END 4'-0" OF GIRDERS AT TIPS, ALL SURFACES; BOTTOM FACE OF BOTTOM FLANGE WHERE COUNTERWEIGHT CUSHION BLOCKS WERE PREVIOUSLY ATTACHED; MAIN GIRDER BOTTOM FLANGE, LOWER 3" OF WEB AND VERTICAL WEB STIFFENERS AT LIVE LOAD SHOES	B1-13, B1-15 & B1-16	SUMMARY OF QUANTITIES (4 OF 4), BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	17, 18, A64 & A65
11C	MAIN SPAN – MAIN GIRDER 10-1	CLEAN AND COAT MG10-1 TO FB10-3 CONNECTION AT CORROSION HOLES IN THE WEB	B1-13 & B1-16	SUMMARY OF QUANTITIES (4 OF 4) & BASCULE LEAF FRAMING PLAN (2 OF 2)	17, 18
12C	MAIN SPAN – MAIN GIRDER 10-2	CLEAN AND COAT THE FOLLOWING: MG10-2 TOP FLANGE AT FB10-1 CONNECTION, SOUTH FACE; MG10-2 BOTTOM FACE OF BOTTOM FLANGE NEAR FB10-2 CONNECTION	B1-13 & B1-16	SUMMARY OF QUANTITIES (4 OF 4) & BASCULE LEAF FRAMING PLAN (2 OF 2)	17, 18 & A66

NOTE:
SPAN AND MEMBER IDENTIFICATION BASED ON INSPECTION REPORT.
REFER TO EXISTING PLANS FOR ADDITIONAL INFORMATION.

CROSS REFERENCE:
WORK THIS SHEET WITH B1-07, B1-08 & B1-10.

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: DRJ 09-25
CHECKED BY: DD 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: SCOPE OF WORK (3 OF 4)
REF. DWG. NO.:
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION
SHEET NO.: B1-09

Plotted By: LRodriguez 1/23/2026 7:54:19 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1GeneralNotes02.dgn

SCOPE OF WORK – CLEAN & COAT STEEL SUPERSTRUCTURE (CONTINUED)

ITEM	LOCATION	DESCRIPTION OF WORK	REPAIR SHEET NO.('S)	SHEET NAME(S)	INSPECTION REPORT PAGE NUMBER(S)
13C	MAIN SPAN – MISCELLANEOUS	CLEAN AND COAT THE FOLLOWING: ANTI-ROOSTING STEEL PLATES LOCATED BELOW FB10-1 & FB10-8 AT BASCULE PIERS; LATERAL CROSS-BRACING GUSSET PLATE LOCATED BELOW FB10-6 AT C/L BRIDGE	B1-13, B1-15 & B1-16	SUMMARY OF QUANTITIES (4 OF 4), BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	17 & 18
14C	FLANKING SPANS – ALL STEEL BEAMS	CLEAN AND COAT BOTTOM FLANGE THROUGHOUT AND AREAS OF LOCALIZED CORROSION ON WEB	B1-13	SUMMARY OF QUANTITIES (4 OF 4)	27
15C	FLANKING SPANS – EXTERIOR BEAMS	CLEAN AND COAT BEAM 9-1 & 11-1 NORTH FASCIA AND BOTTOM FLANGE AND TOP FLANGE THROUGHOUT	B1-13	SUMMARY OF QUANTITIES (4 OF 4)	27 & A86
16C	FLANKING SPANS – ALL STEEL BEAM CAPS	CLEAN AND COAT BOTTOM FLANGE, TOP FLANGE, LOWER 3" OF WEB, AND BEAM ENDS DIRECTLY ABOVE BEARINGS	B1-13	SUMMARY OF QUANTITIES (4 OF 4)	7 & A13
17C	FLANKING SPANS – STEEL BEAM CAP BEARINGS	CLEAN AND COAT ALL FIXED BEARINGS	B1-13	SUMMARY OF QUANTITIES (4 OF 4)	8 & A17
18C	FLANKING SPANS – STEEL BEAM MOVABLE BEARINGS	CLEAN AND COAT ALL BEARINGS. REPLACE ANCHOR BOLTS WITH ACTIVE CORROSION AND SECTION LOSS GREATER THAN 50%. CONTACT THE ENGINEER FOR BEAM TIE-DOWN RETROFIT DETAILS.	B1-13	SUMMARY OF QUANTITIES (4 OF 4)	26 & A84
19C	APPROACH SPANS – MOVABLE BEARINGS	CLEAN AND COAT BEARINGS WITH ACTIVE CORROSION AND SECTION LOSS. REPLACE ANCHOR BOLTS WITH SECTION LOSS GREATER THAN 50% (APPROX. 12 LOCATIONS). CONTACT THE ENGINEER FOR BEAM TIE-DOWN RETROFIT DETAILS.	B1-13	SUMMARY OF QUANTITIES (4 OF 4)	26
20C	MAIN SPAN – TRUNNION BEARING	CLEAN AND COAT BASEPLATES WITH ACTIVE CORROSION AND SECTION LOSS.	B1-13, B1-15 & B1-16	~~SUMMARY OF QUANTITIES (4 OF 4),~~ BASCULE LEAF FRAMING PLAN (1 OF 2) & BASCULE LEAF FRAMING PLAN (2 OF 2)	N/A
21C	MAIN SPAN – TRAFFIC RAILING	CLEAN AND COAT BEARINGS ALL RAILING POST BASEPLATES.	B1-13	SUMMARY OF QUANTITIES (4 OF 4)	20

NOTE:
SPAN AND MEMBER IDENTIFICATION BASED ON INSPECTION REPORT.
REFER TO EXISTING PLANS FOR ADDITIONAL INFORMATION.

CROSS REFERENCE:
WORK THIS SHEET WITH B1-07 THRU B1-09.

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: DRJ 09-25
CHECKED BY: DD 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: SCOPE OF WORK (4 OF 4)

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

REF. DWG. NO.

SHEET NO. B1-10

BID ITEMS FOR BRIDGE NO. 010029 TOM ADAMS MOVABLE BASCULE BRIDGE

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
101-1	MOBILIZATION	1	LS
102-1	MAINTENANCE OF TRAFFIC	1	LS
104-11	FLOATING TURBIDITY BARRIER	855	LF
104-12	STAKED TURBIDITY BARRIER - NYLON REINFORCED PVC	639	LF
110-82	REMOVE & DISPOSE OF STRUCTURAL TIMBER	5.9	MB
121-70	FLOWABLE FILL	10.0	CY
400-150	CLEANING AND SEALING EXISTING CONCRETE SURFACE	3327	SF
401-70-1	RESTORE SPALLED AREAS, EPOXY	47.0	CF
411-1	EPOXY MATERIAL FOR CRACK INJECTION-STRUCTURES REHAB	5	GA
411-2	CRACKS INJECT & SEAL - STRUCTURES REHAB	476	LF
457-70-99	PILE JACKET REPAIRS	1	LS
460-1-13	STRUCTURAL STEEL REHAB - BOLTS, NUTS, WASHERS & PLATES	131	LB
460-1-15	STRUCTURAL STEEL- REHAB, MISCELLANEOUS	2568	LB
460-94	STRUCTURAL STEEL REPAIR - WELDS	39	LF
460-112	ANCHOR BOLT REPLACEMENT	38	EA
471-1-1	FENDER SYSTEM, PLASTIC MARINE LUMBER, REINFORCED	5.9	MB
471-1-2	FENDER SYSTEM, PLASTIC MARINE LUMBER, NON-REINFORCED	0.5	MB
470-98	FENDER SYSTEM CLEARANCE GAUGE REPAIRS	1	LS
470-99	FENDER SYSTEM LIGHTING REPAIRS	1	LS
508-72-1	MOVABLE BRIDGE EMERGENCY GENERATOR, F&I	1	AS
512-1-1	MOVABLE BRIDGE-CONTROL HOUSE, RENOVATE	1	LS
561-2	COATING EXISITING STRUCTURAL STEEL	4120	SF

NOTES:

1. ALL WORK RELATED TO SCOPE ITEM #1 IS COVERED UNDER PAY ITEM 460-94, "STRUCTURAL STEEL REPAIR - WELDS."
2. ALL WORK RELATED TO SCOPE ITEM #5 IS COVERED UNDER PAY ITEM 508-72-1, "MOVABLE BRIDGE EMERGENCY GENERATOR, F&I."
3. ALL WORK RELATED TO SCOPE ITEM #12 IS COVERED UNDER PAY ITEM 400-150, "CLEANING AND SEALING CONCRETE SURFACE."
4. ALL WORK RELATED TO SCOPE ITEM #14 IS COVERED UNDER PAY ITEM 457-70-99, "PILE JACKET REPAIRS."
5. ALL WORK RELATED TO INSTALLATION OF FENDER PILE CLUSTER CABLES IS CONSIDERED INCIDENTAL TO PAY ITEMS 471-1-1, "FENDER SYSTEM, PLASTIC MARINE LUMBER, REINFORCED" AND 471-1-2, "FENDER SYSTEM, PLASTIC MARINE LUMBER, NON-REINFORCED."
6. ALL WORK RELATED TO FENDER SYSTEM CLEARANCE GAUGES AS SPECIFIED IN SCOPE ITEM #18 IS COVERED UNDER PAY ITEM 470-98, "FENDER SYSTEM CLEARANCE GAUGE REPAIRS."
7. ALL WORK RELATED TO FENDER SYSTEM LIGHTING REPAIRS AS SPECIFIED IN SCOPE ITEM #18 IS COVERED UNDER PAY ITEM 470-99, "FENDER SYSTEM LIGHTING REPAIRS."
8. ALL WORK RELATED TO BASCULE SPAN STEEL STRENGTHENING REPAIRS IS COVERED UNDER PAY ITEM 460-1-13, "STRUCTURAL STEEL REHAB - BOLTS, NUTS, WASHERS & PLATES."
9. ALL WORK RELATED TO SCOPE ITEM #19C IS COVERED UNDER PAY ITEM 460-1-15, "STRUCTURAL STEEL - REHAB, MISCELLANEOUS."

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: CG 10-25
CHECKED BY: DRJ 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: SUMMARY OF QUANTITIES (1 OF 3)

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-11

SPALL/DELAMINATION REPAIR TABLE

LOCATION	DESCRIPTION	NO.	DIMENSIONS PER INSPECTION			MIN. REMOVAL DEPTH	VOLUME
			LENGTH	WIDTH	DEPTH		
			(IN.)	(IN.)	(IN.)	(IN.)	(CF)
FLANKING SPAN 9 - INTERMEDIATE DIAPHRAGM	SPALLS	1	39	11	3	3	0.9
FLANKING SPAN 9 - INTERMEDIATE DIAPHRAGM	CIRCULAR SPALLS/ DELAMINATIONS	2	12	12	3	3	0.5
APPROACH SPAN 1 - P/S CONC. GIRDER 1-3 END	SPALLS	1	13	5	4	4	0.2
APPROACH SPAN 2 - P/S CONC. GIRDER 2-4 END	SPALLS	1	20	6	3	3	0.3
APPROACH SPAN 5 - P/S CONC. GIRDER 5-4 END	CIRCULAR SPALL	1	9	6	3	3	0.1
APPROACH SPAN 18 - P/S CONC. GIRDER 18-3 END	SPALL	1	20	6	3	3	0.3
EAST BULKHEAD CAP	SPALLS	1	36	24	4	4	2.5
EAST BULKHEAD WALL	SPALLS	1	10	6	4	4	0.2
EAST BULKHEAD WALL	SPALLS	3	30	16	4	4	4.2
WEST BULKHEAD WALL	SPALLS	1	14	9	4	4	0.4
WEST FENDER - P/S CONCRETE PILES	SPALLS	10	60	12	4	4	20.8
EAST FENDER - P/S CONCRETE PILES	SPALLS	8	60	12	4	4	16.7

NOTES:
1. MINIMAL REMOVAL DEPTH IS ESTIMATED FOR QUANTITY PURPOSES.
2. TOTAL REPAIR QUANTITY ASSUMES 25% ADDITIONAL MATERIAL TO ACCOUNT FOR UNKNOWN DEFICIENCY EXTENTS.

CONCRETE CRACK REPAIR TABLE

LOCATION	DESCRIPTION	DIMENSIONS PER INSPECTION				TOTAL LENGTH
		LENGTH	WIDTH	DEPTH	NO.	
		(FT.)	(IN.)	(IN.)		(FT.)
CONCRETE SLOPE PROTECTION AT ABUTMENT 20	INTERMITTENT CRACKS	200	1/32	4	1	300
FENDER PILES	LONGITUDINAL CRACKS ABOVE AND BELOW WATER	12	1/32	7	1	22
CONCRETE DECK AT BASCULE PIER 10	TRANSVERSE, FULL WIDTH, TOPSIDE	37.75	1/32	4	3	154

NOTES:
1. REPAIR DEPTH ASSUMED FOR QUANTITY PURPOSES.
2. TOTAL REPAIR QUANTITY ASSUMES 100 LF ADDITIONAL MATERIAL FOR CONCRETE SLOPE PROTECTION, 10 LF ADDITIONAL MATERIAL FOR PILE CRACKS, AND 40 LF ADDITIONAL MATERIAL FOR CONCRETE DECK.

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: CG 10-25
CHECKED BY: DRJ 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: SUMMARY OF QUANTITIES (2 OF 3)

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-12

Plotted By: LRodriguez 1/23/2026 7:54:28 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1SummaryofQuantities02.dgn

ANTI-GRAFFITI COATING REPAIR TABLE

LOCATION	DESCRIPTION	SURFACE AREA (SF)	NO.	TOTAL SURFACE AREA (SF)
WEST ABUTMENT SLOPE PROTECTION	AREA FROM ABUTMENT TO SEAWALL, UNDER BRIDGE	624	1	655
EAST ABUTMENT SLOPE PROTECTION	AREA FROM ABUTMENT TO SEAWALL, UNDER BRIDGE	610	1	641
ABUTMENT BENT CAP	EXPOSED VERTICAL FACE	66	2	139
SUPERSTRUCTURE UNDERSIDE IN SPAN 1 & SPAN 19 - BEAMS	AREA FROM ABUTMENT TO SEAWALL, UNDER BRIDGE	123.5	2	259
SUPERSTRUCTURE UNDERSIDE IN SPAN 1 & SPAN 19 - DECK	AREA FROM ABUTMENT TO SEAWALL, UNDER BRIDGE	778	2	1633

NOTE:
TOTAL AREA ASSUMES 5% CONTINGENCY

STEEL COATING REPAIR TABLE

LOCATION	DESCRIPTION	ELEMENT TYPE / SIZE	AREA (SF)
MAIN SPAN - LIVE LOAD SHOES	SCOPE ITEM 1C	BEARING	14
COUNTERWEIGHT GIRDER 10-1 & 10-4	SCOPE ITEM 2C	BUILT-UP	142
COUNTERWEIGHT GIRDER 10-2 & 10-3	SCOPE ITEM 3C	BUILT-UP	45
MAIN SPAN - STRINGERS	SCOPE ITEM 4C	W16X36	48
MAIN SPAN - STRINGERS WITHIN BASCULE PIER	SCOPE ITEM 5C	W16X36	26
FLOORBEAM 10-1 & 10-8	SCOPE ITEM 6C & 7C	BUILT-UP	196
FLOORBEAM 10-6	SCOPE ITEM 8C	W27X114	6
MAIN SPAN - SIDEWALK CANTILEVER SUPPORT BRACKETS	SCOPE ITEM 9C	VARIES	987
MAIN SPAN - MAIN GIRDERS	SCOPE ITEMS 10C, 11C & 12C	BUILT-UP	476
MAIN SPAN - MISCELLANEOUS	SCOPE ITEM 13C	VARIES	128
MAIN SPAN - OPEN GRID DECKING	SCOPE ITEM 1	N/A	55
MAIN SPAN - EXPANSION JOINT (NOSING + TRAFFIC PLATE)	SCOPE ITEM 3C	N/A	128
FLANKING SPANS - STEEL BEAMS	SCOPE ITEM 14C & 15C	W30X124	1141
FLANKING SPANS - STEEL BEAM CAPS	SCOPE ITEM 16C	W30X173	602
FLANKING SPANS - STEEL BEAM CAP FIXED BEARINGS	SCOPE ITEM 17C	N/A	12
FLANKING SPANS - STEEL BEAM MOVABLE BEARINGS	SCOPE ITEM 18C	BEARING	11
APPROACH SPANS - MOVABLE BEARINGS	SCOPE ITEM 19C	BEARING	43
MAIN SPAN - TRUNNION BASEPLATES	SCOPE ITEM 20C	BEARING	60
MAIN SPAN - TRAFFIC RAILING POST BASEPLATES	SCOPE ITEM 21C	BEARING	72
		TOTAL COATING	4120

NOTES:
1. TOTAL AREA ASSUMES 10% CONTINGENCY.
2. WORK WITH "SCOPE OF WORK (3 OF 4) & (4 OF 4)" SHEETS.

BRIDGE NO. 010029

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

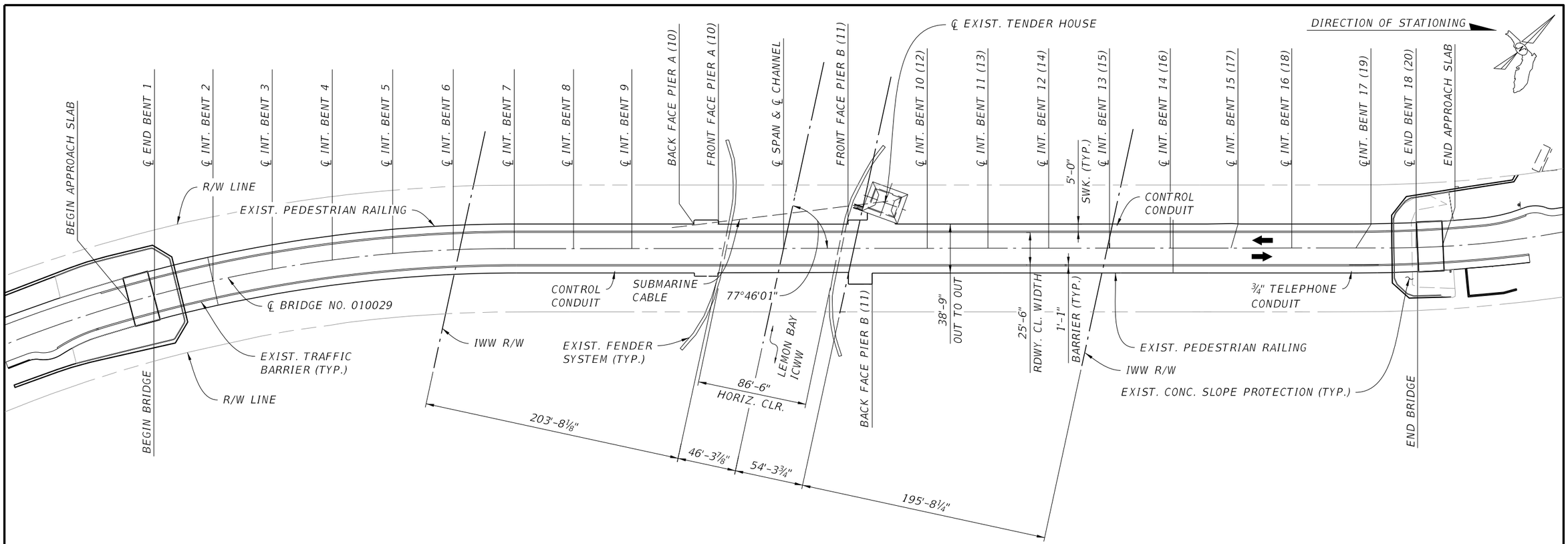
LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: CG 10-25
CHECKED BY: DRJ 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: CAH 10-25

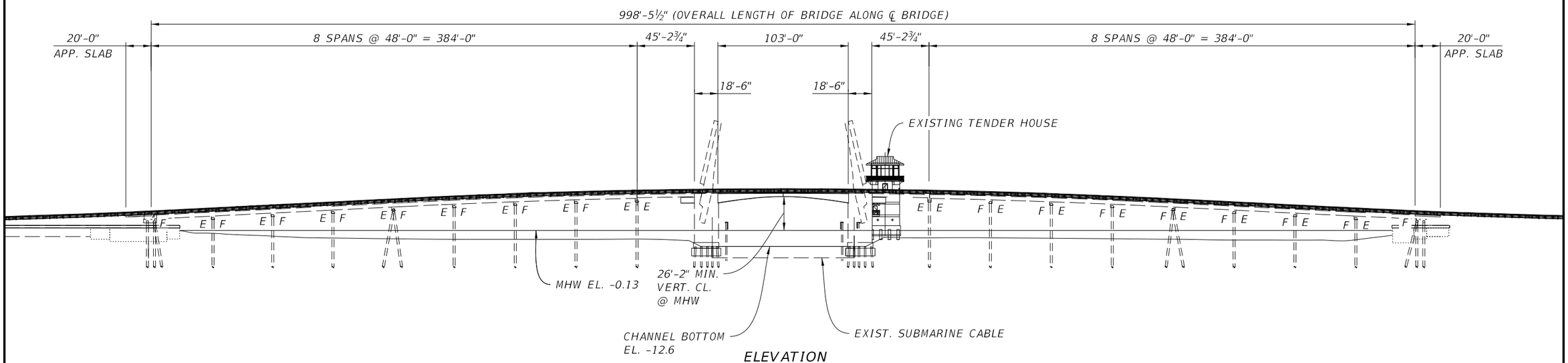
CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: SUMMARY OF QUANTITIES (3 OF 3)
REF. DWG. NO.:
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION
SHEET NO.: B1-13



PLAN



ELEVATION

BRIDGE NO. 010029

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: BCS 09-25
CHECKED BY: CAH 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

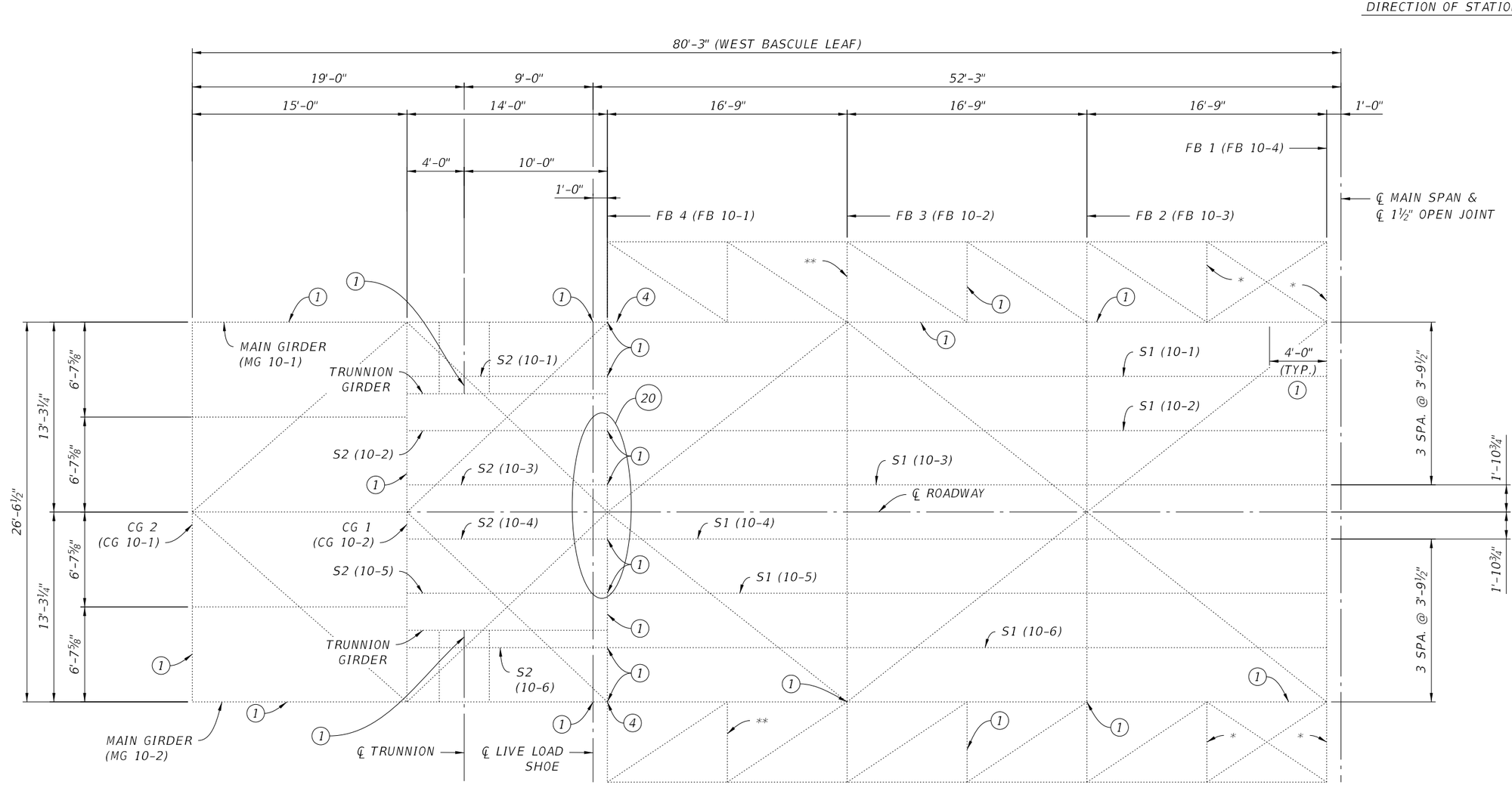
SHEET TITLE: PLAN & ELEVATION

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-14

Plotted By: LRodriguez 1/23/2026 7:54:40 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1PlanElev01.dgn



NOTES

1. SPAN IDENTIFICATION BASED ON EXISTING PLANS. SPAN IDENTIFICATION LOCATED IN PARENTHESIS () IS BASED ON INSPECTION REPORT.
2. CONTRACTOR SHALL FIELD VERIFY REPAIR LOCATIONS.

CROSS REFERENCE:

WORK THIS SHEET WITH "BASCULE LEAF FRAMING PLAN (2 OF 2)" SHEET.

FRAMING PLAN

(WEST BASCULE LEAF)

REPAIR LEGEND:

(1) – SPOT PAINT STEEL MEMBERS. REFER TO "SCOPE OF WORK (2 OF 3) & (3 OF 3)" SHEETS FOR ADDITIONAL INFO.

(4) – STRENGTHENING REPAIRS TO MAIN GIRDER WEB AT LIVE LOAD SHOE. REFER TO "STEEL REPAIR DETAILS" SHEET.

(20) – FILL HOLES IN EXPANSION JOINT STEEL NOSING (TOPSIDE)

*EXISTING TYPE E2 SIDEWALK BRACKET UNO

**EXISTING TYPE E3 SIDEWALK BRACKET

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: BCS 07-25
CHECKED BY: DD 10-25
DESIGNED BY: DRJ 10-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

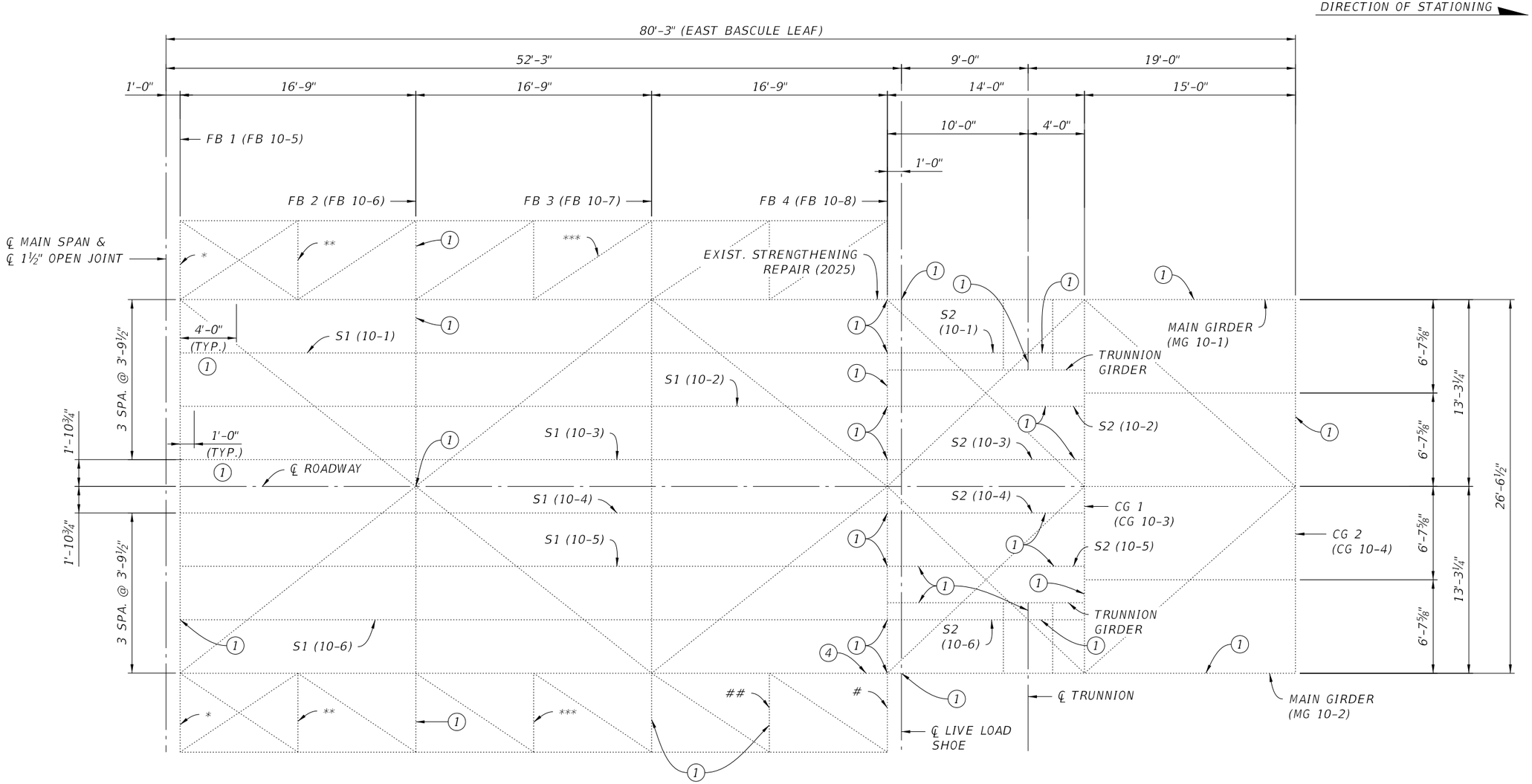
SHEET TITLE: BASCULE LEAF FRAMING PLAN (1 OF 2)

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-15

Plotted By: LRodriguez 1/23/2026 7:54:48 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1FramingPlan01.dgn



NOTES

1. SPAN IDENTIFICATION BASED ON EXISTING PLANS. SPAN IDENTIFICATION LOCATED IN PARENTHESIS () IS BASED ON INSPECTION REPORT.
2. CONTRACTOR SHALL FIELD VERIFY REPAIR LOCATIONS.

CROSS REFERENCE:

WORK THIS SHEET WITH "BASCULE LEAF FRAMING PLAN (1 OF 2)" SHEET.

FRAMING PLAN

(EAST BASCULE LEAF)

REPAIR LEGEND:

(1) – SPOT PAINT STEEL MEMBERS. REFER TO "SCOPE OF WORK (2 OF 3) & (2 OF 3)" SHEETS FOR ADDITIONAL INFO.

(4) – STRENGTHENING REPAIRS TO MAIN GIRDER WEB AT LIVE LOAD SHOE. REFER TO "STEEL REPAIR DETAILS" SHEET.

*EXISTING TYPE E1 SIDEWALK BRACKET UNO

**EXISTING TYPE E2 SIDEWALK BRACKET

***EXISTING TYPE E3 SIDEWALK BRACKET

#EXISTING TYPE E4 SIDEWALK BRACKET

##EXISTING TYPE E5 SIDEWALK BRACKET

BRIDGE NO. 010029

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: BCS 07-25
CHECKED BY: DD 10-25
DESIGNED BY: DRJ 10-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

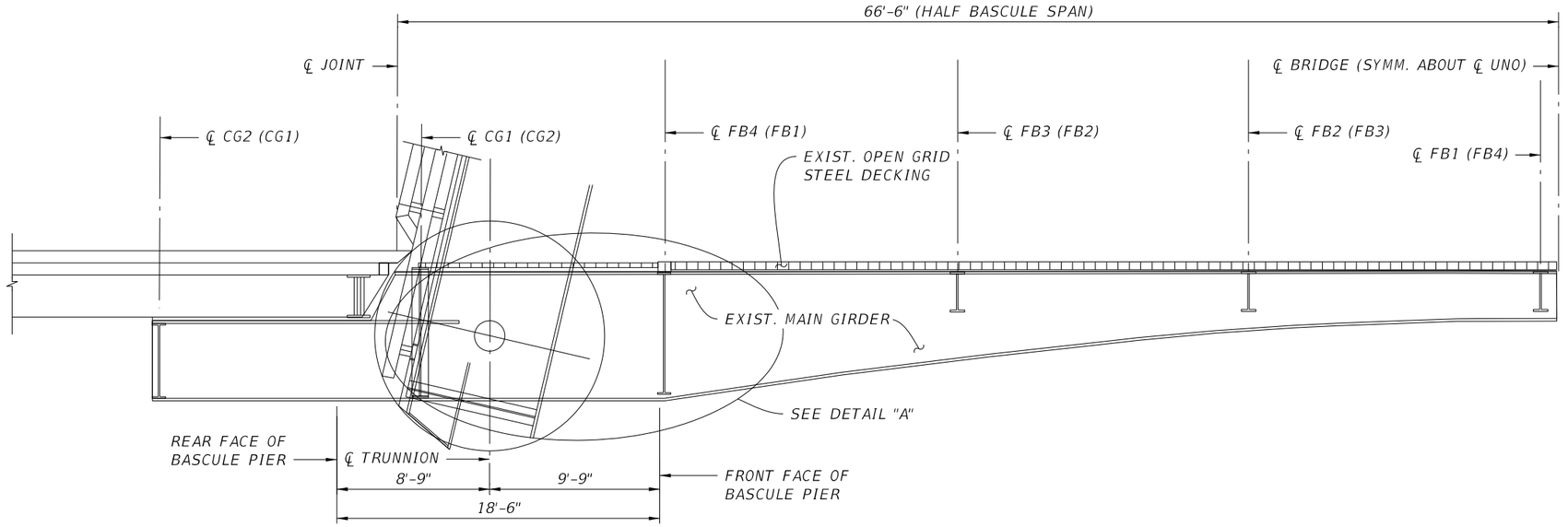
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: BASCULE LEAF FRAMING PLAN (2 OF 2)

REF. DWG. NO.:

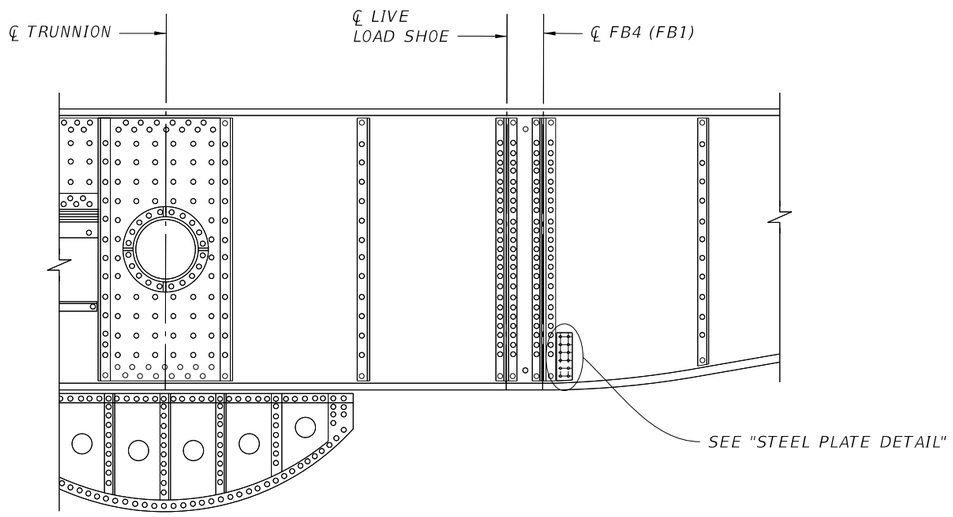
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-16

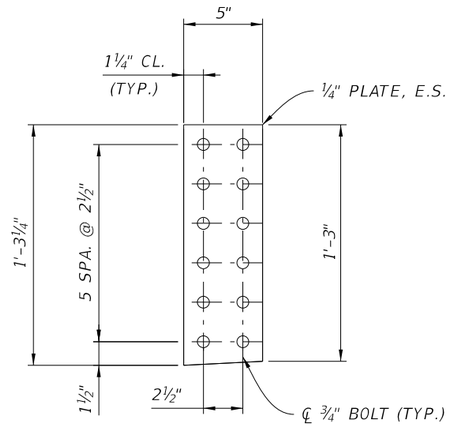


ELEVATION - MAIN GIRDER

(MG10-2, WEST LEAF SHOWN)
(EAST LEAF IS SYMMETRICAL)
(RAILING & MAIN GIRDER STIFFENERS NOT SHOWN)



DETAIL A



STEEL PLATE DETAIL

BRIDGE NO. 010029

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

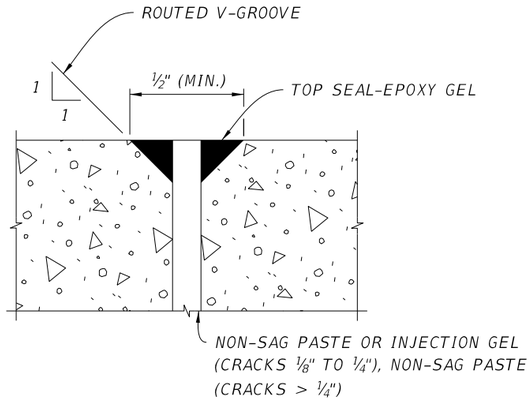
DRAWN BY: BCS 07-25
CHECKED BY: DD 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: DD 10-25

CHARLOTTE COUNTY PUBLIC WORKS

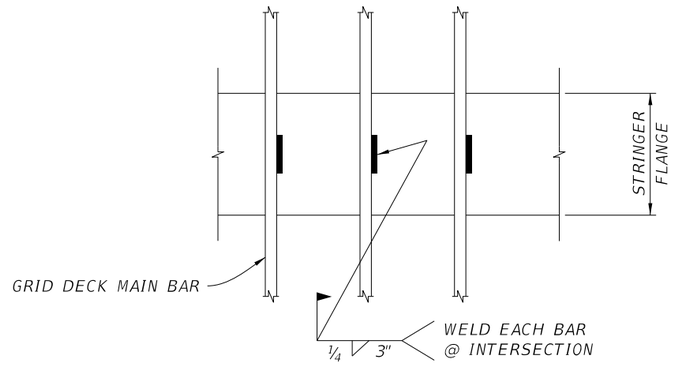
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: STEEL REPAIR DETAILS
REF. DWG. NO.:
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION
SHEET NO.: B1-17

Plotted By: LRodriguez 1/23/2026 7:54:56 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1SteelRepairDet01.dgn



TYPICAL CRACK REPAIR DETAIL



STEEL GRID DECK REPAIRS - PLAN

TYPICAL CRACK REPAIR NOTES

1. REMOVE UNSOUND CONCRETE FROM AREAS TO BE REPAIRED.
2. FOR CRACKS GREATER THAN ¼", USE NON-SAG GROUT PASTE WITH 28-DAY COMPRESSIVE STRENGTH OF 10,000 PSI.
3. FOR CRACKS LESS OR EQUAL TO ¼", USE EPOXY INJECTION (AVANTI AV-502 OR EQUAL) AND NON-SAG GROUT PASTE WITH 28-DAY COMPRESSIVE STRENGTH OF 10,000 PSI.
4. DIRECTIONS FOR CRACK INJECTIONS ARE COVERED BY THE MANUFACTURER RECOMMENDATIONS AND FDOT STANDARD SPECIFICATIONS SECTION 411.
5. ROUTE A V-GROOVE NOTCH TO NON-SAG GROUT PASTE AFTER SET AND APPLY TOP SEAL OF EPOXY INJECTION GEL (AVANTI AV-522 OR EQUAL).

STEEL GRID DECK REPAIR NOTES

1. REPAIR BROKEN GRID DECK TO STRINGER WELDS PER 2005 REHAB PLANS. GRIND DOWN EXISTING, BROKEN WELD MATERIAL PRIOR TO WELDING OPERATIONS.
2. REPAIR BROKEN PRIMARY BAR TO SECONDARY BAR WELDS IN KIND. GRIND DOWN EXISTING, BROKEN WELD MATERIAL PRIOR TO WELDING OPERATIONS.
3. OPEN GRID DECK = L.B. FOSTER 5" OPEN DIAGONAL-TYPE FLOORING. GRID DECK MAIN BARS SPACED @ 7.5" ON CENTER. SECONDARY BARS SPACED @ 3.75". OPEN GRID DECKING MATERIAL IS ASTM A588, HOT DIPPED GALVANIZED STEEL.
4. WELD SIZE ATTACHMENT IS BASED ON A MAXIMUM ROOT OPENING BETWEEN THE SPACER BAR AND MAIN BARS OF 1/16". IF THE ROOT OPENING EXCEEDS 1/16", THE WELD SIZE SHALL BE INCREASED BY THE AMOUNT OF THE ROOT OPENING IN EXCESS OF 1/16". THE ROOT OPENING SHALL NOT EXCEED 3/16". GALVANIZING DAMAGE BY WELDING SHALL BE REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS.

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: BCS 07-25
CHECKED BY: CAH 10-25
DESIGNED BY: DRJ 10-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: MISCELLANEOUS REPAIR DETAILS

REF. DWG. NO.:

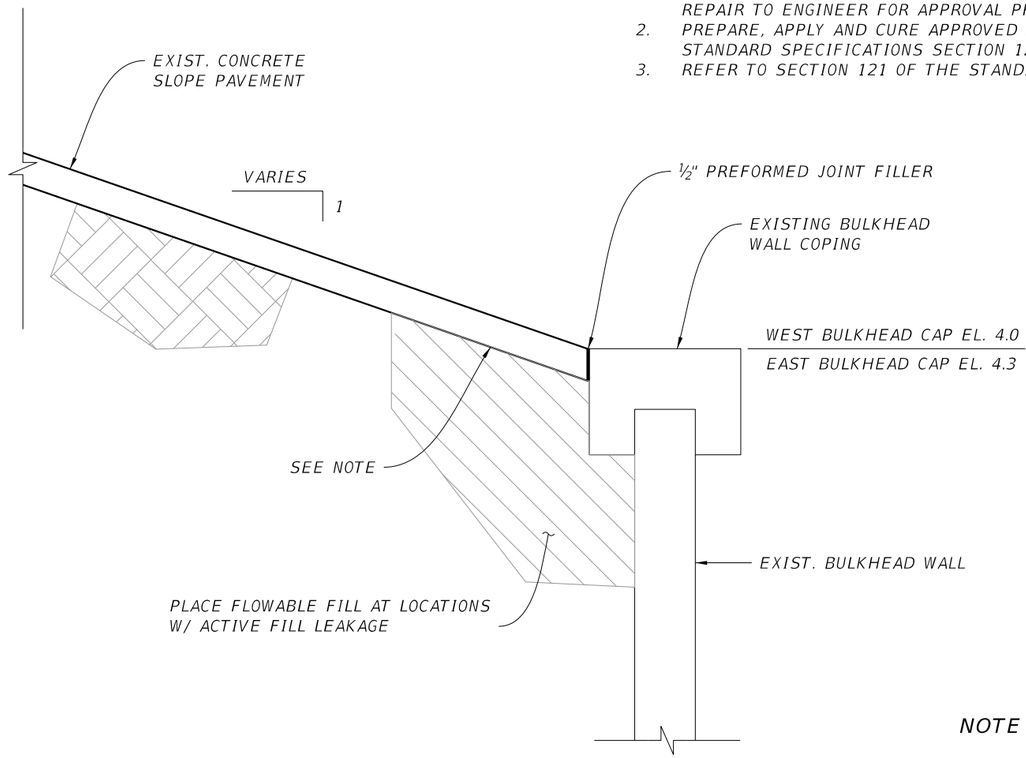
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-18

Plotted By: LRodriguez 1/23/2026 7:55:04 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1MiscDet01.dgn

FLOWABLE FILL REPAIR PROCEDURE

1. INSPECT WEST AND EAST BULKHEAD WALL FOR JOINTS WITH ACTIVE BACKFILL LEAKAGE. PER 2024 UW INSPECTION REPORT, THERE IS AN ESTIMATED 10 TOTAL LOCATIONS ON THE WEST BULKHEAD WALL. SUBMIT DOCUMENTATION AND PHOTOS DELINEATING LOCATIONS FOR REPAIR TO ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
2. PREPARE, APPLY AND CURE APPROVED FLOWABLE FILL MATERIAL IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 121 AND AS GUIDED BY MANUFACTURER RECOMMENDATIONS.
3. REFER TO SECTION 121 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.



ABUTMENT SLOPE PROTECTION TYPICAL SECTION

NOTE

TEMPORARILY REMOVE 3'-0" x 3'-0" MIN. PLAN AREA OF SOIL / CONCRETE SLOPE PROTECTION AT AREAS OF ACTIVE BACKFILL LEAKAGE TO DETERMINE EXTENTS OF BACKFILL LOSS. REPLACE CONCRETE SLOPE PROTECTION IN KIND AFTER FLOWABLE FILL HAS CURED. TEST SEAWALL JOINTS FOR LEAKAGE AFTER FLOWABLE FILL IS PLACED TO ENSURE ALL AREAS OF LEAKAGE HAVE BEEN SEALED. SUBMIT TESTING PROCEDURE TO ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK. ALL WORK SHALL BE PAID FOR UNDER PAY ITEM 121-70, "FLOWABLE FILL".

BRIDGE NO. 010029

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: BCS 07-25
CHECKED BY: DD 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: DD 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: SLOPE PROTECTION DETAILS

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-19

Plotted By: LRodriguez 1/23/2026 7:55:13 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1SlopeProtectionDetails01.dgn

REPAIR LEGEND

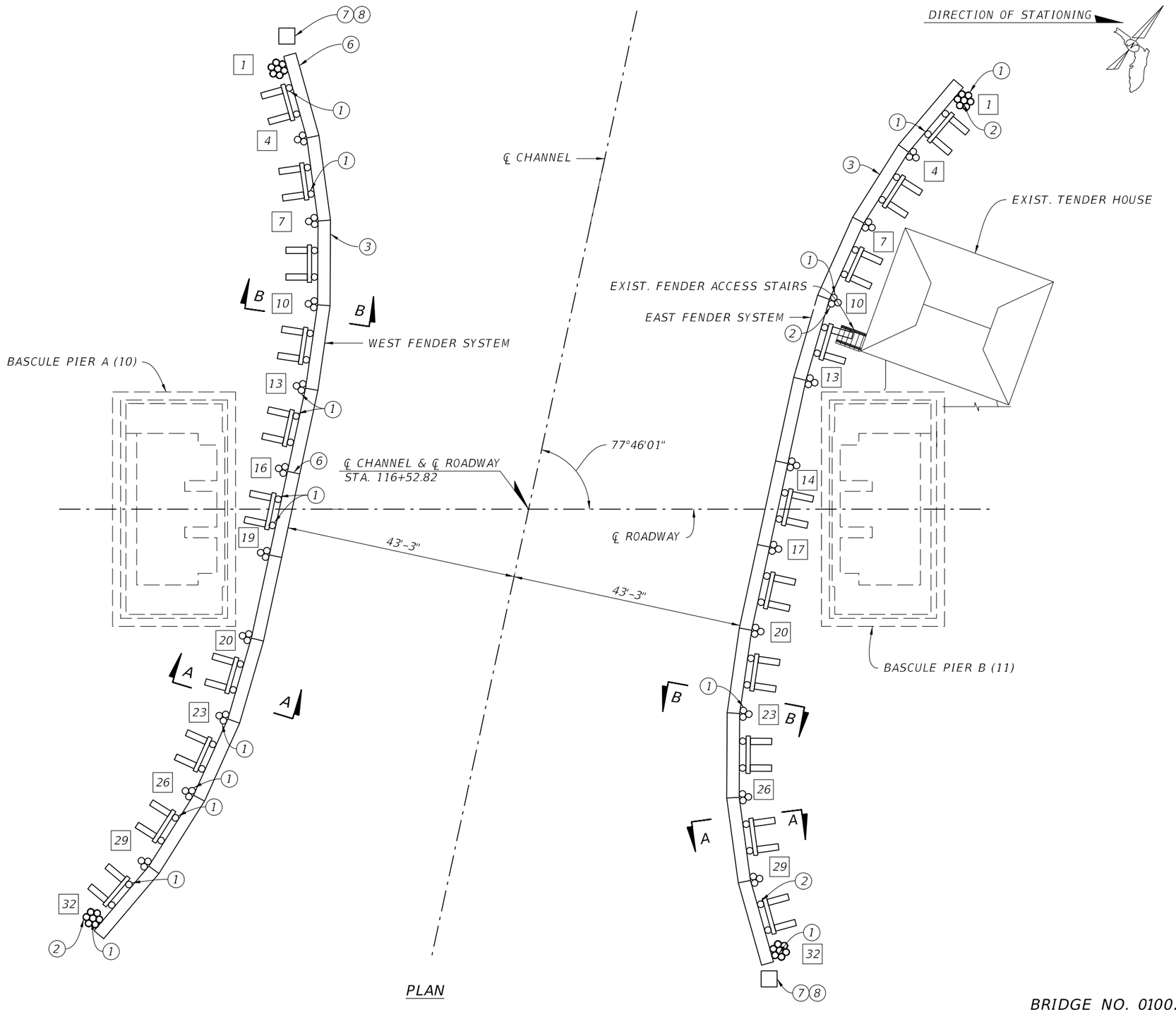
(1) – PILE SPALL REPAIR
(WEST FENDER = 10 PILES; EAST FENDER = 8 PILES)
(2) – PILE CRACK REPAIR
(WEST FENDER = 1 PILE; EAST FENDER = 3 PILES)
(3) – WALER BEAM & BLOCKING REPLACEMENT
(BOTTOM 2 ROWS – TYP.)
(4) – REPLACE CORRODED WALER HARDWARE IN KIND (7/8" Ø BOLT, NUT, O.G. WASHER) WITH AREAS OF 50% OR GREATER DETERIORATION
(5) – REPLACE ALL PILE CLUSTER WIRE ROPES WITH STAINLESS STEEL WIRE ROPES
(6) – REPAIR/REPLACE NAVIGATIONAL LIGHTS
(7) – REPLACE ALL CLEARANCE GAUGE LIGHTS
(8) – REPLACE SOUTHEAST AND NORTHWEST CLEARANCE GAUGE. POST WILL BE REPLACED BY FDI.

NOTES

1. PILE CLUSTER NUMBERING PER UNDERWATER INSPECTION REPORT (2024)
2. WORK WITH "FENDER REPAIR DETAILS" SHEET

GENERAL LEGEND

[X] PILE CLUSTER NUMBER



PLAN

BRIDGE NO. 010029

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

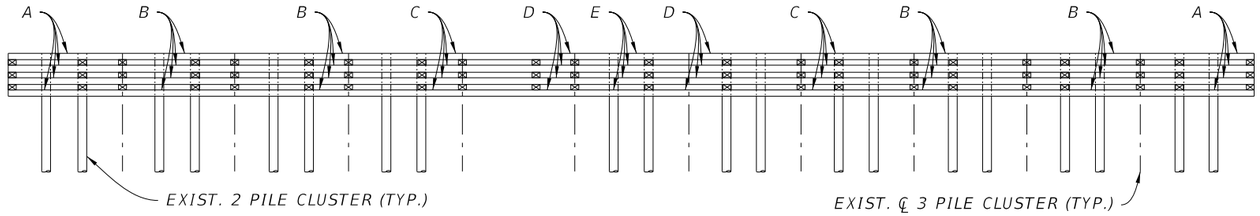
DRAWN BY: BCS 07-25
CHECKED BY: DD 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: DD 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: FENDER REPAIR PLAN
REF. DWG. NO.:
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION
SHEET NO.: B1-20

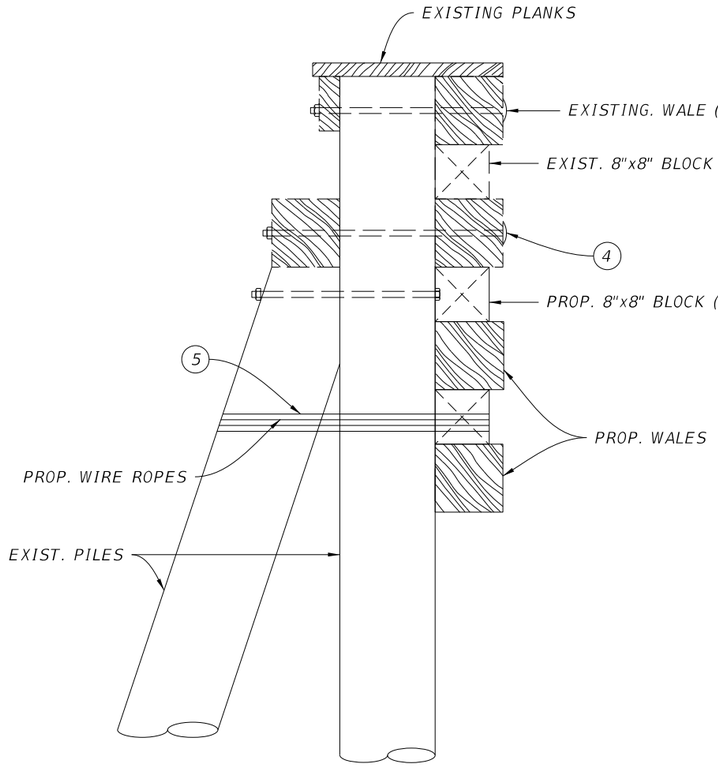
Plotted By: LRodriguez 1/23/2026 7:55:17 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1FenderSystem01.dgn



ELEVATION

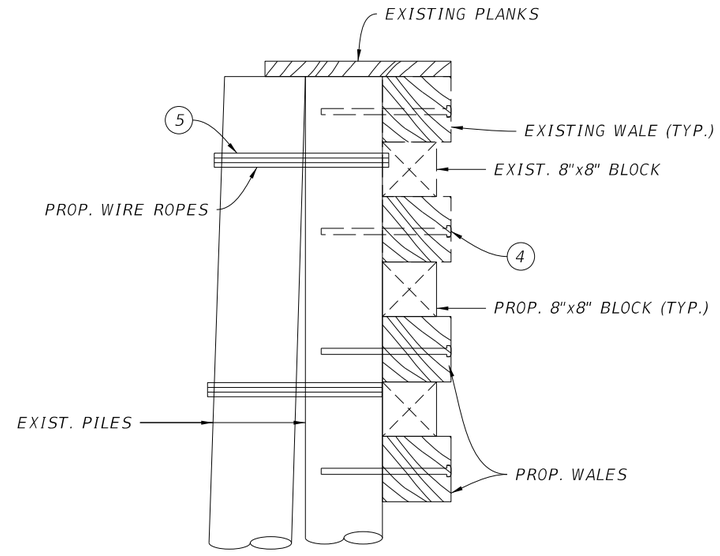
(3 PILE AND 7 PILE CLUSTERS NOT SHOWN FOR CLARITY)

STRUCTURAL COMPOSITE FRP LUMBER				
MARK	SIZE	LENGTH	NO. REQ'D.	CUTTING DIAGRAM
A	10"x10"	16'-0"	8	16' ← 4° 0'
B	10"x10"	16'-0"	16	4° 0' → 16' ← 4° 0'
C	10"x10"	16'-0"	8	4° 0' → 16' ← 4° 0'
D	10"x10"	16'-0"	8	2° 0' → 16'
E	10"x10"	16'-0"	4	16'



SECTION A-A

(2 PILE CLUSTER)



SECTION B-B

(3 PILE CLUSTER)

NOTE

WORK WITH "FENDER REPAIR PLAN" SHEET

BRIDGE NO. 010029

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: BCS 07-25
CHECKED BY: DD 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: DD 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: FENDER REPAIR DETAILS

REF. DWG. NO.:

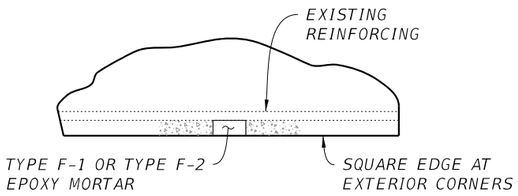
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-21

Plotted By: LRodriguez 1/23/2026 7:55:23 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1FenderRepairDet.dgn

GENERAL SPALL REPAIR NOTES

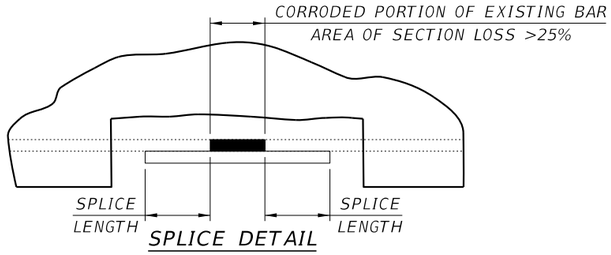
1. ABIDE BY SPECIFICATION SECTION 400 AND THE REPAIR NOTES BELOW.
2. THE SPALL REPAIR DETAILS SHOWN ON THIS SHEET ARE APPLICABLE TO HORIZONTAL (INCLUDING OVERHEAD) AND VERTICAL SURFACES. SEE SPECIFICATION SECTION 930 FOR ADDITIONAL MATERIAL REQUIREMENTS FOR CONCRETE REPAIR.
3. INSPECT, SOUND TEST, AND MARK THE PERIMETER OF THE PROPOSED CONCRETE REPAIR AREAS AS SHOWN ON THESE PLANS. SUBMIT PROPOSED REPAIR AREAS TO THE ENGINEER FOR APPROVAL.



SPALL REPAIR DETAIL 1

SPALL REPAIR DETAIL 1 NOTES

1. CHIP TO SOUND CONCRETE.
2. USE SPALL REPAIR DETAIL 2 IF MORE THAN HALF OF PERIMETER OF REINFORCING BAR IS EXPOSED OR BOND AROUND BAR IS BROKEN.
3. CLEAN REINFORCING STEEL AND CONCRETE SURFACES BY HAND GRIND AND / OR BRUSH CLEAN FOLLOWED BY BLOWING WITH COMPRESSED AIR.
4. PRIME THE SURFACE TO BE REPAIRED WITH A TYPE F-1/F-2 EPOXY COMPOUND IN SPECIFICATION SECTION 926-5. WHILE PRIMING MATERIAL IS TACKY, FILL VOIDS WITH RECOMMENDED PRODUCT TO ORIGINAL NEAT LINES. REMOVE AND RE-CLEAN THE CONCRETE SURFACE IF THE REPAIR MATERIAL IS NOT APPLIED WITHIN THE BONDING COMPOUND MANUFACTURER APPLICATION TIME WINDOW.



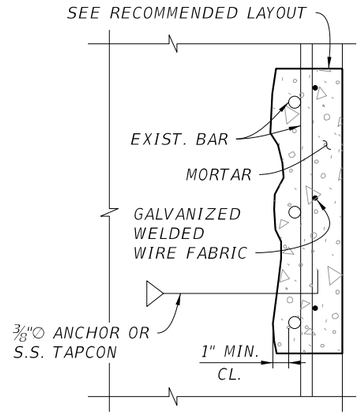
SPLICE DETAIL

SPLICE NOTES

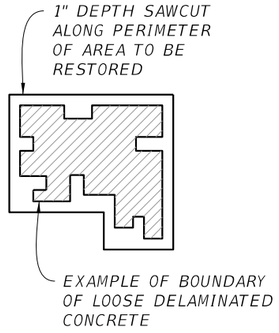
1. STAGGER SPLICES AND REPAIR PER SPALL REPAIR DETAIL 2.

MECHANICAL COUPLER DETAIL NOTES

1. AS AN ALTERNATIVE TO SPLICING OR DOWELING, THE CONTRACTOR MAY USE MECHANICAL COUPLERS. SUBMIT THE PROPOSED COUPLER TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
2. REPAIR PER SPALL REPAIR DETAIL 2 AFTER INSTALLING MECHANICAL COUPLERS.



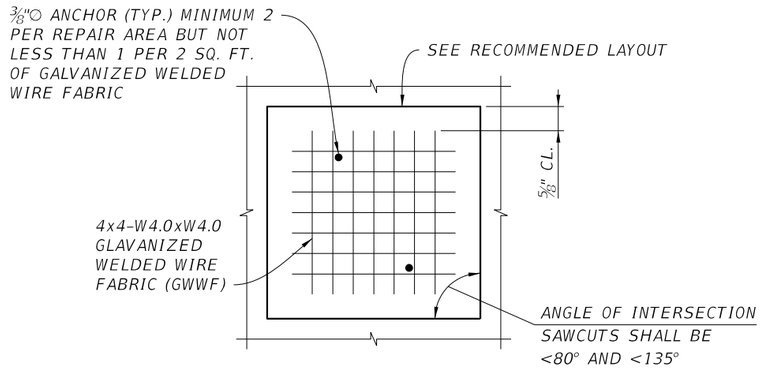
SPALL REPAIR DETAIL 2



RECOMMENDED LAYOUT

SPALL REPAIR DETAIL 2 NOTES

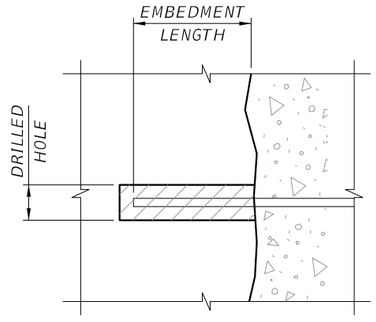
1. SAWCUT ALONG THE PERIMETER OF CONCRETE TO BE RESTORED. SEE RECOMMENDED LAYOUT. REMOVE ALL UNSOUND CONCRETE. EXPOSE REINFORCING STEEL WITH ENOUGH CLEARANCE BEHIND THE BAR TO PROVIDE FULL ENCASEMENT AND BOND WITH THE NEW CONCRETE REPAIR MATERIAL. PROVIDE 1" CLEARANCE BETWEEN EXPOSED REINFORCING AND SURROUNDING CONCRETE. SUPPLEMENT ANY EXISTING REINFORCING STEEL FOUND TO HAVE 25% OR MORE LOSS OF AREA BY SPLICING A NEW BAR OF EQUAL SIZE OVER AFFECTED SECTION. SHOP DRAWINGS INDICATING BAR SIZES AND SPLICE LENGTHS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL FOR EXISTING REINFORCING STEEL MEETING THIS CONDITION. FEATHERED EDGES ARE NOT ALLOWED.
2. KEEP REPAIR CONFIGURATION AS SIMPLE AS POSSIBLE, PREFERABLY WITH SQUARED CORNERS AS SHOWN IN RECOMMENDED LAYOUT.
3. AVOID DAMAGING EXISTING REINFORCING STEEL, EMBEDDED ANCHORAGES OR BREAKING THE BOND BETWEEN THE STEEL AND SOUND CONCRETE.
4. WHEN UNSOUND MATERIAL HAS BEEN REMOVED BUT CORROSION ON THE EXISTING REINFORCING STEEL EXTENDS INTO THE SOUND CONCRETE, REMOVE CONCRETE TO 1" BEYOND THE END OF THE AREA OF CORROSION, WHERE THE BAR IS FREE OF CORROSION AND IS WELL BONDED TO SOLID CONCRETE.
5. REMOVE CONCRETE TO PROVIDE CLEARANCE AS DETAILED IN NOTE 1 IF NON-CORRODED REINFORCING STEEL IS EXPOSED DURING CONCRETE REMOVAL, AND THE BOND BETWEEN BAR AND CONCRETE IS BROKEN.
6. REPAIR ANY EXISTING REINFORCING STEEL DAMAGED WHILE REMOVING UNSOUND CONCRETE OR CLEANING REINFORCING STEEL AT NO EXTRA COST TO THE OWNER.
7. CLEAN ALL EXPOSED AND NEW REINFORCING STEEL SSPC-SP-10 (NEAR WHITE) PRIOR TO APPLICATION OF THE PATCH MATERIAL.
8. CLEAN THE AREA TO RECEIVE NEW PATCH MATERIAL AND REMOVE LOOSE PARTICLES, DIRT, TAR, OIL AND DUST.
9. INSTALL GALVANIZED WELDED WIRE FABRIC AND ANCHORS FOR DEPTH OF CONCRETE EXCEEDING 3".
10. REPAIR CONCRETE SPALL REPAIR AREAS USING POLYMER MODIFIED-PORTLAND-CEMENT MORTAR PER APL AND SUBMIT TO THE ENGINEER FOR APPROVAL. MATCH REPAIR MATERIAL COLOR TO SURROUNDING CONCRETE SURFACES.
11. STOP WORK IMMEDIATELY AND NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK WHEN:
    - SUBSTRUCTURE REPAIR REQUIRES MORE THAN SIX (6) INCHES OF CONCRETE REMOVAL DEPTH.
    - REPAIR AREA EXTENDS MORE THAN TWELVE (12) INCHES IN ANY DIRECTION BEYOND THE REPAIR AREA INITIALLY IDENTIFIED.



GALVANIZED WELDED WIRE FABRIC (GWWF) DETAIL

SPECIAL NOTES FOR GALVANIZED WELDED WIRE FABRIC

1. FIELD BEND GWWF TO CONFORM WITH ANY CHANGES IN THE CONCRETE SURFACE CONFIGURATION.
2. TIE EACH EXPANSION ANCHOR BOLT TO THE WELDED WIRE FABRIC WITH GALVANIZED WIRE.
3. SUBMIT ANCHOR BOLTS DATA CATALOG AND GWWF INSTALLATION TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF REPAIR MORTAR.



DOWEL OR ANCHOR DETAIL

DOWEL OR ANCHOR NOTES

1. USE DOWELS WHERE SPLICING MAY RESULT IN THE REMOVAL OF EXCESS SOUND CONCRETE.
2. BEFORE INSTALLATION, LOCATE ALL EXISTING BARS NEXT TO PROPOSED HOLES. PREVENT ANY DAMAGE TO EXISTING REINFORCEMENT.
3. PROVIDE EXPANSION ANCHORS OR A HV ADHESIVE ANCHOR SYSTEM PER SPECIFICATION SECTION 937. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS SECTION 416 FOR HOLE DIAMETER AND CLEANING TECHNIQUE. SHOP DRAWINGS INCLUDING BUT NOT LIMITED TO EMBEDMENT LENGTH, TOTAL BAR LENGTH, BAR SIZE, HOLE DIAMETER AND ADHESIVE DATA CATALOG SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL IF DOWELS OR ANCHORS ARE REQUIRED.
4. SUPPORT DOWELS OR ADHESIVE ANCHORS IN POSITION UNTIL EPOXY IS SET.

BRIDGE NO. 010029

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: CAH 10-25
CHECKED BY: DRJ 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: GENERAL CONCRETE SPALL REPAIR DETAILS

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-22

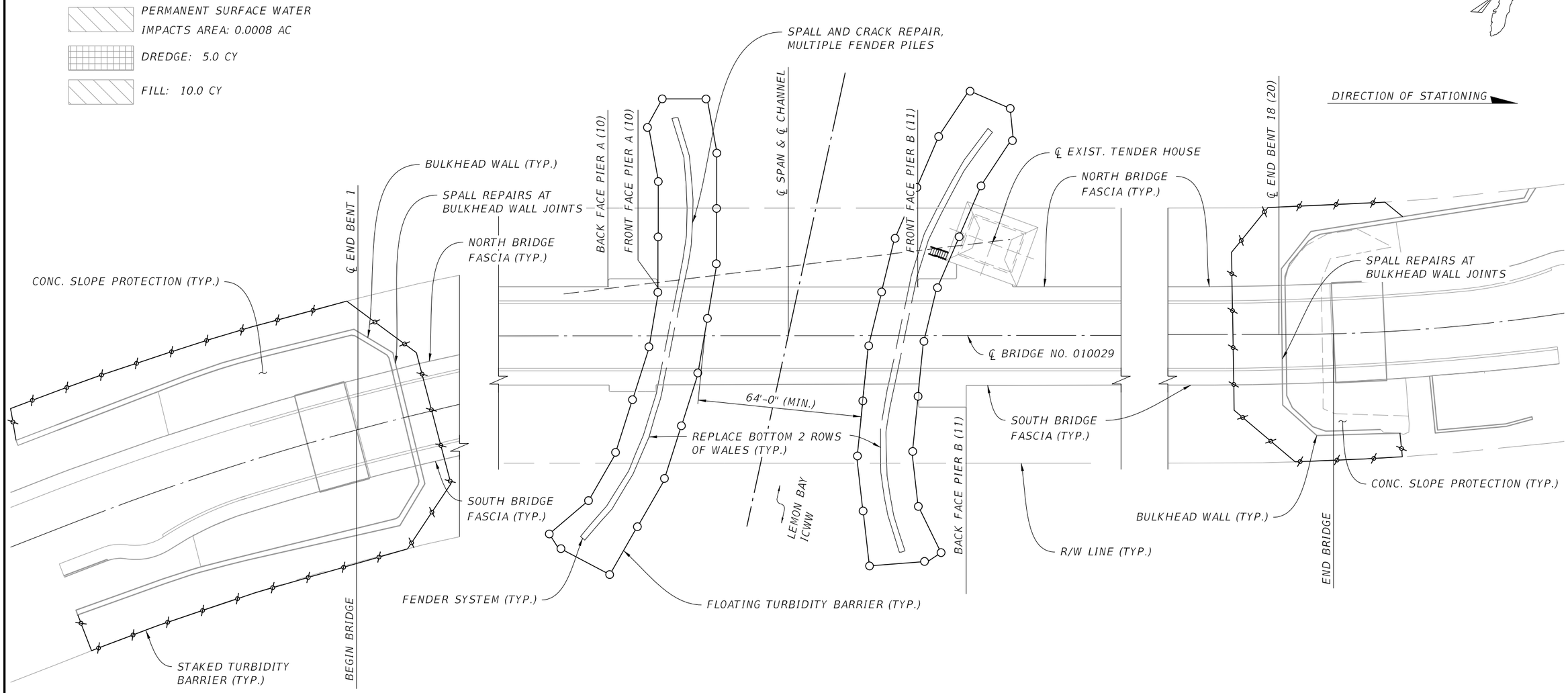
Plotted By: LRodriguez 1/23/2026 7:55:27 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1GeneralConcSpallRepairDetails.dgn

LEGEND

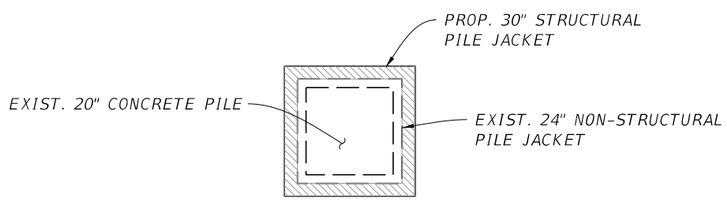
PERMANENT SURFACE WATER
IMPACTS AREA: 0.0008 AC

DREDGE: 5.0 CY

FILL: 10.0 CY



PLAN



TYPICAL PILE JACKET REPLACEMENT DETAIL

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LEO E. RODRIGUEZ, P.E.
P.E. NO.: 78493
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY: CAH 10-25
CHECKED BY: DRJ 10-25
DESIGNED BY: DRJ 09-25
CHECKED BY: CAH 10-25

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: EROSION CONTROL PLAN

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-23

Plotted By: LRodriguez 1/23/2026 7:55:39 PM \\drmp1.com\prj\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\struct\B1ErosionControlPlan.dgn

GENERAL NOTES

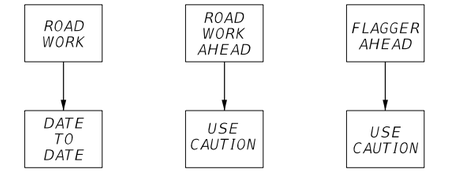
1. THE REGULATORY SPEED LIMIT FOR THE PROJECT ROADWAYS SHALL BE MAINTAINED UNLESS OTHERWISE INDICATED IN THE PLANS:

BEACH RD 35MPH

2. NOTIFY ALL LOCAL LAW ENFORCEMENT AND EMERGENCY/RESCUE AGENCIES LOCATED IN THE PROJECT VICINITY 24 HOURS IN ADVANCE OF PERFORMING ANY LANE CLOSURES. CONTRACTOR TO PROVIDE 7 DAYS ADVANCE NOTICE TO THE COUNTY TO REQUEST LANE CLOSURE.

3. NOTIFY ADJACENT PROPERTY OWNERS 4 DAYS IN ADVANCE OF CONSTRUCTION ACTIVITIES WHICH SHALL RESTRICT ACCESS TO PRIVATE OR COMMERCIAL PROPERTIES. MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.

4. PLACE PORATABLE CHANGEABLE MESSAGE SIGNS AS SHOWN BELOW.



PCMS # 1 & 2 PCMS # 3 & 4 PCMS # 5 & 6

NOTES:

PCMS # 1 & 2 - TO BE USED 7 DAYS PRIOR TO CONSTRUCTION.
PCMS # 3 & 4 - TO BE USED DURING CONSTRUCTION WHEN THERE ARE NO FLAGGING OPERATIONS.
PCMS # 5 & 6 - TO BE USED DURING FLAGGING OPERATIONS.

TCP PHASING NOTES

THE INTENT IS TO CONSTRUCT PROPOSED IMPROVEMENTS BY UTILIZING FDOT STANDARD PLAN INDICES 102-600, 102-601, 102-603 AND 102-660.

1. PROVIDE EROSION CONTROL FEATURES.

2. MAINTAIN ONE-LANE TRAFFIC AT ALL TIMES DURING ACTIVE WORK PERIODS BY UTILIZING FLAGGING OPERATIONS AS SHOWN IN THE PLANS.

3. NO TRAFFIC CONTROL DEVICES ARE TO BE PLACED ON THE DRAWBRIDGE SPAN DURING INACTIVE WORK PERIODS.

4. MAINTAIN PEDESTRIAN AND BICYCLE TRAFFIC BY UTILIZING THE EXISTING BIKE PED FACILITIES.

BRIDGE NO. 010029

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PAVAN K. PAIAVULA, P.E.
P.E. NO.: 73589
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY:	CHECKED BY:	DESIGNED BY:	CHECKED BY:
VM	TF	PP	TF

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: TEMPORARY TRAFFIC CONTROL PLANS - GENERAL NOTES

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-24

N.T.S

LEMON BAY

S MCCALL RD

S MCCALL RD

BEACH ROAD

BEACH ROAD

END ROAD WORK

100'

FLAGGER AHEAD

100'

ONE LANE ROAD AHEAD

SPEEDING FINES DOUBLED WHEN WORKERS PRESENT

ROAD WORK AHEAD

250'

200'

200'

200'

200'

200'

200'

200'

200'

200'

200'

200'

ROAD WORK AHEAD

SPEEDING FINES DOUBLED WHEN WORKERS PRESENT

ONE LANE ROAD AHEAD

FLAGGER AHEAD

END ROAD WORK

MAINTAIN 10' MIN TRAVEL LANE

REDFISH COVE

LEGEND

WORK ZONE

WORK ZONE SIGN

CHANNELIZING DEVICE

DIRECTION OF TRAFFIC

PORTABLE CHANGEABLE MESSAGE SIGN

ADVANCE WARNING SIGNS
(SHOWN ABOVE IS WHEN SB LANE IS CLOSED. MIRROR THE DETAIL WHEN NB LANE IS CLOSED.)

BRIDGE NO. 010029

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PAVAN K. PAIAVULA, P.E.
P.E. NO.: 73589
DRMP, INC.
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

DRAWN BY:	VM
CHECKED BY:	TF
DESIGNED BY:	PP
CHECKED BY:	TF

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: TEMPORARY TRAFFIC CONTROL PLANS

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: B1-25

rchalamalla 1/13/2026 4:43:45 PM P:\Projects15\15-00391.013_Charlotte_Co-Tom_Adams_Bridge\FL_GA\00000015201_FPID\roadway\TCPLRD01.dgn

POWER

DESCRIPTION

- PUSHBUTTON OR SELECTOR SWITCH STATION
- MAINTAINED RED MUSHROOM-HEAD EMERGENCY STOP P.B.
- PANELBOARD, SURFACE MTD.
- EQUIPMENT, TERMINAL, OR CONTROL CABINET

SINGLE LINE DIAGRAM

DESCRIPTION

- 100AF ——— FRAME SIZE CIRCUIT BREAKER
- 70AT ——— TRIP AMPS
- GROUND CONNECTION
- MOTOR (HP AS SHOWN)
- EMERGENCY STOP MUSHROOM SWITCH (RED)
- METER
  - A – AMMETER
  - V – VOLTMETER
  - W – WATTMETER
- TRANSFORMER
- SAFETY DISCONNECT SWITCH
- DOME CCTV CAMERA
- BULLET CCTV CAMERA
- TRANSFER SWITCH
- SPD — SURGE PROTECTION DEVICE
- UTILITY METER

WIRING

DESCRIPTION

- WIRING, CONCEALED IN FINISHED AREAS, EXPOSED WHERE PERMITTED BY SPECIFICATIONS
- WIRING INSTALLED IN OR BELOW FLOOR SLAB
- LP1-2 — HOME RUN TO PANEL (CKT. NO. AS SHOWN)
- P101 — HOME RUN (NO. REFERS TO CONDUIT & WIRE SCHEDULE)
- 3C#12 W/GND, 3/4"C — CONDUIT AND WIRE
- CONDUIT DOWN
- CONDUIT UP

SCHEMATIC DIAGRAM

DESCRIPTION

- SPECIAL PURPOSE RECEPTACLE
- J — JUNCTION BOX
- #XX — INDICATES THE CIRCUIT # OF THE RESPECTIVE PANELBOARD REFERENCED. SEE GENERAL NOTES 6 AND 19 FOR CONDUIT AND WIRING REQUIREMENTS

ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AI	ANALOG INPUT (PLC)
AIC	AMPERE INTERRUPTING CAPACITY
AO	ANALOG OUTPUT (PLC)
AR	AS REQUIRED
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CP	CONTROL PANEL
CR	CONTROL RELAY
CPT	CONTROL POWER TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DI	DIGITAL INPUT (PLC)
DO	DIGITAL OUTPUT (PLC)
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EP	EXPLOSION PROOF CL I DIV 1 GR D
EPR	ETHYLENE PROPYLENE RUBBER
EQUIP	EQUIPMENT
ES	EMERGENCY STOP
EX	EXTERIOR
EXTG	EXISTING
FBO	FURNISHED BY OTHERS
FE	FLOW ELEMENT
FIT	FLOW INDICATOR TRANSMITTER
FNR	FORWARD NEUTRAL REVERSE
FS	FLOW SWITCH
FU	FUSE
FVR	FULL VOLTAGE REVERSING
FVNR	FULL VOLTAGE NON-REVERSING
FWE	FURNISHED WITH EQUIPMENT
FVNR	FULL VOLTAGE NON-REVERSING
GND	GROUND
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HZ	HERTZ
IMC	INTERMEDIATE METAL CONDUIT
ISR	INTRINSICALLY SAFE RELAY
JB	JUNCTION BOX
JU	JUMPER WIRE
K	KILO
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
L	LOCAL
LCP	LOCAL CONTROL PANEL
LCS	LOCAL CONTROL STATION
LE	LEVEL ELEMENT
LI	LEVEL INDICATOR
LIT	LEVEL INDICATOR TRANSMITTER
LP	LIGHTING PANEL
LS	LEVEL SWITCH
	L=LOW, H=HIGH, LL=LOW LOW, HH=HIGH HIGH
LT	LEVEL TRANSMITTER
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MFR	MANUFACTURER
MLO	MAIN LUG ONLY
MS	MOTOR STARTER
MTD	MOUNTED
NC	NORMALLY CLOSED
NEG	NEGATIVE
NEU	NEUTRAL
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NVR	NETWORK VIDEO RECORDER
OH	OVERHEAD
OL	OVERLOAD
P	POLE
PB	PUSHBUTTON
PE	PRESSURE ELEMENT

ABBREVIATIONS CONT.

PF	POWER FACTOR
PH	PHASE
PIT	PRESSURE INDICATOR TRANSMITTER
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
PRI	PRIMARY
PT	PRESSURE TRANSMITTER
PVC	POLYVINYL CHLORIDE
R	REMOTE
RGS	RIGID GALVANIZED STEEL CONDUIT
RSC	RIGID STEEL CONDUIT
S	SURFACE
SEC	SECONDARY
SHLD	SHIELDED CABLE
SI	SPEED INDICATOR
SN	SOLID NEUTRAL
SP	SPARE
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
SYM	SYMMETRICAL
T	TRANSFORMER
TB	TERMINAL BLOCKS
TDR	TIME DELAY RELAY
TE	TEMPERATURE ELEMENT
TIT	TEMPERATURE INDICATING TRANSMITTER
TL	TEMPERATURE LOW
TRANSF	TRANSFORMER
TS	TEMPERATURE SWITCH
TWS,TWSP	TWISTED SHIELDED CABLE
V	VOLT
VA	VOLT-AMPERE
VFD	VARIABLE FREQUENCY DRIVE
UPS	UNINTERRUPTIBLE POWER SUPPLY
W	WIRE
XLP	CROSS LINKED POLYETHYLENE
XFMR	TRANSFORMER
ZSC	LIMIT SWITCH CLOSED
ZSO	LIMIT SWITCH OPEN

GROUNDING

DESCRIPTION

- G — GROUND ROD BARE COPPER CONDUCTOR EMBEDDED IN CONCRETE OR BURIED

GENERAL NOTES:

1. ALL CONDUIT AND EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE CURRENT NATIONAL ELECTRICAL CODE.
2. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURES. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL TO BEAMS AND WALLS.
3. CONDUITS SHALL BE PROPERLY TERMINATED WITH NEAT CONNECTIONS TO ALL ASSOCIATED EQUIPMENT.
4. CONTROL AND INSTRUMENTATION CONDUIT SIZES AND NUMBER OF CONDUCTORS ARE TO BE DETERMINED FROM SCHEMATIC DIAGRAMS, INSTRUMENTATION DIAGRAMS, AND/OR SPECIFICATIONS, IF NOT DIRECTLY SHOWN ON POWER PLANS. THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUIT REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL AND INSTRUMENTATION EQUIPMENT. MODIFICATIONS REVIEWED BY THE ENGINEER WITH NO EXCEPTIONS TAKEN, MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. EACH CONTROL AND INSTRUMENTATION CONDUIT SHALL ALSO CONTAIN 10 PERCENT SPARE CONDUCTORS, WITH A MINIMUM OF TWO SPARES, UP TO THE LIMIT OF CONDUIT FILL AS SPECIFIED BY THE NATIONAL ELECTRICAL CODE. INSTRUMENTATION SHIELDED CABLES SHALL BE INSTALLED IN RGS CONDUIT. SEPARATE FROM OTHER POWER WIRING.
5. EACH CONDUIT TO CARRY GROUND WIRE(S) IN ADDITION TO NUMBER OF CONDUCTORS SHOWN ON DRAWINGS OR PER NOTE 4 ABOVE. ALL GROUNDING MUST CONFORM TO ARTICLE 250 OF CURRENT NATIONAL ELECTRICAL CODE.
6. MINIMUM CONDUIT SIZE SHALL BE 3/4" TRADE SIZE, UNLESS OTHERWISE NOTED ON THE ELECTRICAL DRAWINGS. GENERAL LIGHTING, RECEPTACLE AND HVAC POWER CIRCUITS MAY BE 1/2" TRADE SIZE CONDUIT INSTALLED PER NEC. MINIMUM POWER WIRING SHALL BE 2C#12 AWG WITH GROUND AND 2C#14 AWG FOR CONTROL. MINIMUM INSTRUMENTATION CABLE SHALL BE 2/C#16 AWG TWS AND 3C#16 AWG TWS FOR SPEED POTENTIOMETERS AND RTD'S. PROVIDE CONDUIT AND WIRING AS INDICATED.
7. ALL SURFACE MOUNTED PANELS ON THE INSIDE OF EXTERIOR WALLS ABOVE GRADE, OR IN OTHER LOCATIONS CONSIDERED AS DAMP, SHALL BE MOUNTED TO MAINTAIN A 1/4" AIR SPACE BETWEEN THE ENCLOSURE AND THE WALL.
8. ELECTRICAL EQUIPMENT LOCATIONS ARE APPROXIMATE ONLY. COORDINATE LOCATIONS WITH PROCESS PIPING AND OTHER DRAWINGS. CONTRACTOR SHALL COORDINATE MANUFACTURER'S EQUIPMENT REQUIREMENTS WITH SPACE AVAILABLE. FINAL CONTROL PANEL LOCATIONS SHALL BE FIELD COORDINATED.
9. ALL FIELD CONTROL CONDUCTORS WILL TERMINATE AT INDIVIDUAL TERMINAL BLOCKS WITHIN THE CONTROL ENCLOSURE. SERIES AND PARALLEL CONNECTION OF FIELD CONTROL CONDUCTORS WILL BE MADE ONLY AT CONTROL PANEL OR MOTOR CONTROL CENTER TERMINAL BLOCKS.
10. GROUND ALL CONDUCTOR SHIELDS AT CONTROL PANEL ONLY – DO NOT GROUND SHIELDS AT BOTH ENDS
11. AT THE FOLLOWING LOCATIONS, UNLESS OTHERWISE NOTED, PULL, JUNCTION, TERMINAL, SWITCH, AND OUTLET BOXES SHALL BE CAST IRON WHERE STEEL CONDUIT IS TERMINATED; OR SHALL BE CAST ALUMINUM WHERE ALUMINUM CONDUIT IS TERMINATED:
    - A – AT LOCATIONS WHERE VAPORTIGHT LIGHTING FIXTURES AND/OR WATERTIGHT RECEPTACLES ARE INDICATED.
    - B – AT LOCATIONS ON OR IN ALL OUTSIDE WALLS.
    - C – OUTDOORS
    - D – AS SPECIFIED
12. NAMEPLATES SHALL CONFORM STRICTLY TO INSTRUCTIONS IN THE ELECTRICAL SPECIFICATIONS AND ON THE DRAWINGS. THE FOLLOWING SHALL HAVE NAMEPLATES:
    - A – ALL LOCAL CONTROL STATIONS AT OR NEAR EQUIPMENT
    - B – ALL PANELBOARDS
    - C – GANGED LIGHT SWITCHES
    - D – PROCESS CONTROL PANELS
    - E – AS SPECIFIED
13. CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRING, EQUIPMENT, AND CONTROL DEVICES AS INDICATED BY SCHEMATICS, SINGLE LINE DIAGRAMS, SCHEDULES, PLANS, SPECIFICATIONS, AND VENDOR DOCUMENTATION TO PROVIDE A COMPLETE WORKING SYSTEM. SINCE NOT ALL HOME RUNS ARE SHOWN ON PLANS, THE CONTRACTOR SHALL REFERENCE ALL SINGLE LINE AND SCHEMATIC DIAGRAMS, SCHEDULES, AND VENDOR DOCUMENTATION TO DETERMINE CONDUIT AND WIRING REQUIREMENTS.
14. PROVIDE CONCRETE HOUSEKEEPING PADS (4" HIGH) UNDER ELECTRICAL AND INSTRUMENTATION EQUIPMENT THAT IS DESIGNED TO BE FLOOR MOUNTED. PROVIDE SUBMITTAL SKETCH FOR ENGINEER REVIEW.
15. CONTRACTOR SHALL PROVIDE A COMPLETE WORKING OPERATING SYSTEM IN ACCORDANCE WITH ALL DRAWINGS, SPECIFICATIONS, CODES AND STANDARDS.
16. THE ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL OF THE ELECTRICAL DRAWINGS AND CONDUIT AND WIRE SCHEDULES RELATIVE TO THE CONDUIT AND WIRE TO BE PROVIDED ON THIS PROJECT. THE INTENT OF THE CONTRACT DOCUMENTS IS TO PROVIDE DETAILED INFORMATION OF SPECIFIC INDIVIDUAL RUNS OF CONDUIT AND WIRE TO SPECIFIC EQUIPMENT. THE ELECTRICAL SUBCONTRACTOR IS DIRECTED TO COMBINE CONDUIT AND WIRE RUNS AS MUCH AS POSSIBLE, AS DEFINED IN THE SPECIFICATION. ONLY CONTROL AND SIGNAL CONDUCTORS WILL BE ALLOWED TO BE COMBINED. ALL INDIVIDUAL FEEDER AND BRANCH CIRCUIT POWER CONDUIT AND WIRE SHALL NOT BE ALLOWED TO BE COMBINED AND SHALL BE INSTALLED AS INDICATED IN THE CONTRACT DOCUMENTS. THE ELECTRICAL SUBCONTRACTOR IS DIRECTED TO USE THE MOST COST-EFFECTIVE CONDUIT AND WIRE RUNS CONSISTENT WITH THESE REQUIREMENTS.
17. 120V CIRCUITS EXCEEDING 100 FEET IN LENGTH SHALL BE NO 10 AWG WIRING, MINIMUM.
18. POWER CONDUITS FOR THREE PHASE AND SINGLE PHASE CIRCUITS (DESIGNATED WITH "P" NUMBERS) ARE SHOWN ON POWER PLANS, WITH CONDUIT SIZES AND WIRING INFORMATION INDICATED IN THE CONDUIT AND WIRE SCHEDULES.

GENERAL DEMOLITION NOTES:

1. THE EXISTING ELECTRICAL PLAN FOR THIS PROJECT IS BASED ON INFORMATION PROVIDED BY OTHERS AND FIELD SURVEY OF THE SITE. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2. FIELD VERIFY ALL CONDITIONS AFFECTING THE WORK PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
3. PROTECT ALL EXISTING ITEMS AND EQUIPMENT ADJACENT TO THE WORK AREA. ALL EXISTING ITEMS, EQUIPMENT AND MATERIALS DAMAGED OR AFFECTED BY THE WORK SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
4. THE EXISTING FACILITY SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. SEE SPECIFICATION FOR ADDITIONAL DETAILS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE DEMOLITION AND CONSTRUCTION WITH THE OWNER'S REQUIREMENTS TO MAINTAIN FACILITY OPERATION. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES AS NECESSARY.
5. PATCH, REPAIR AND REFINISH ALL EXISTING SURFACES AFFECTED BY THE WORK, TO THE SATISFACTION OF THE ENGINEER.
6. ALL ITEMS SHOWN ON THE PLANS WITH SHADING ARE TO BE REMOVED AND DISPOSED OF, UNLESS OTHERWISE INDICATED. THIS SHALL INCLUDE ALL ASSOCIATED CONDUIT, WIRING, BOXES, DEVICES, CONTROLS, ETC. UNLESS OTHERWISE NOTED. THE OWNER RESERVES THE RIGHT TO RETAIN ANY EQUIPMENT OR MATERIALS. THE CONTRACTOR WILL STORE ON SITE AND PROTECT SUCH ITEMS IN A MANNER ACCEPTABLE TO THE OWNER AND ENGINEER. ALSO REFER TO THE STRUCTURAL, MECHANICAL, PROCESS AND ELECTRICAL DRAWINGS FOR A COMPLETE REQUIREMENT OF DEMOLITION WORK FOR THIS PROJECT.
7. ALL 120/208V ELECTRICAL EQUIPMENT TO REMAIN WHICH IS FED FROM PANELBOARDS OR EQUIPMENT DESIGNATED AS BEING REMOVED OR RELOCATED, SHALL REMAIN AND BE REWIRED FROM NEW OR RELOCATED PANELBOARDS OR EQUIPMENT AS NOTED ON THE MODIFIED DRAWINGS OR AS REQUIRED BY THE INTENDED OVERALL DEMOLITION OF THIS WORK. REMOVE EXISTING CONDUIT AND WIRING FROM THE APPLICABLE EXISTING PANELBOARD OR EQUIPMENT BACK TO THE CIRCUITS NEAREST PULLBOX, CONTROLLING DEVICE OR FIXTURE LOCATED OUTSIDE THE AREA BEING DEMOLISHED AND RE-FEED AS NOTED ON THE MODIFIED DRAWINGS. RE-FEED THE EXISTING EQUIPMENT WITH NEW CONDUIT AND WIRING FOR A COMPLETE INSTALLATION. SPLICING OF WIRING SHALL NOT BE ALLOWED.
8. THE EXISTING PANELBOARD CIRCUIT DESCRIPTIONS SHOWN WERE TAKEN FROM EXISTING PANELBOARD DIRECTORIES OBTAINED IN THE FIELD AND/OR BY EXISTING RECORD DRAWING PANELBOARD SCHEDULES. THE ACCURACY OF THESE DESCRIPTIONS HAS NOT BEEN FIELD VERIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL CIRCUITRY, AS APPLICABLE FOR THIS PROJECT, ASSOCIATED WITH THE PANEL, AND REPORT ANY DISCREPANCIES TO THE ENGINEER.

NEMA CLASSIFICATIONS FOR NEW ELECTRICAL EQUIPMENT AND ENCLOSURE

(UNLESS OTHERWISE NOTED)

AREA NAME	NEMA RATING
EMERGENCY GENERATOR	12

** CONDUIT INSTALLATION SCHEDULE

AREA NEMA RATING PER E-1	CONDUIT REQUIRED IN EXPOSED AREAS	CONDUIT REQUIRED IN NON EXPOSED AREAS	CONDUITS EMERGING FROM GRADE OR SLAB 12" AFF
1/12	* ALUMINUM	EMT	RGS PVC COATED
3R	* ALUMINUM	RGS	RGS PVC COATED
4	* ALUMINUM	RGS	RGS PVC COATED
4X	* ALUMINUM	RGS	RGS PVC COATED
4X CORROSIVE	RGS PVC COATED	RGS	RGS PVC COATED
4X CORROSIVE ABOVE 8'	PVC SCHEDULE 80	RGS	N/A
7	RGS PVC COATED	RGS	RGS PVC COATED
* IN CONCRETE SLAB	N/A	PVC SCHEDULE 40	RGS PVC COATED
* BELOW GRADE DUCT ENCASED IN CONCRETE	N/A	PVC SCHEDULE 40	RGS PVC COATED
* BELOW GRADE DUCT NON ENCASED	N/A	PVC SCHEDULE 80	RGS PVC COATED

** SEE SPECIFICATIONS FOR FURTHER INFORMATION
* SIGNAL CONDUITS SHALL BE RGS

NOTES:

ALL NOTES AND SYMBOL LISTS SHALL BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
		MECHANICAL CONNECTION			

STEPHEN J. CONWAY, P.E.
P.E. NO.: 53532
DRMP, INC.
8001 BELFORT PARKWAY, SUITE 200
JACKSONVILLE, FL 32256

DRAWN BY: ED
CHECKED BY: JEH
DESIGNED BY: SJC
CHECKED BY: JEH

CHARLOTTE COUNTY PUBLIC WORKS

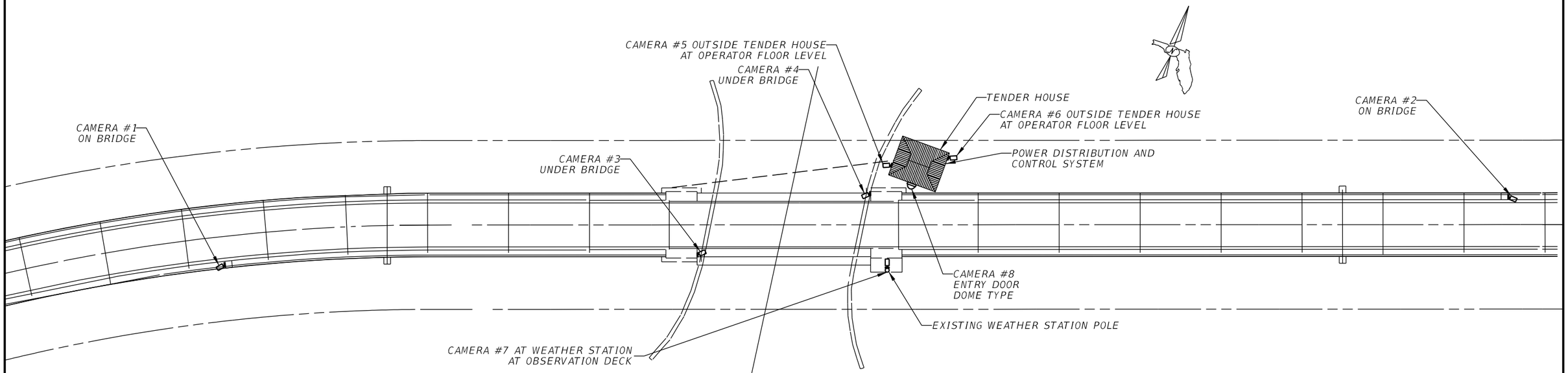
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: LEGEND

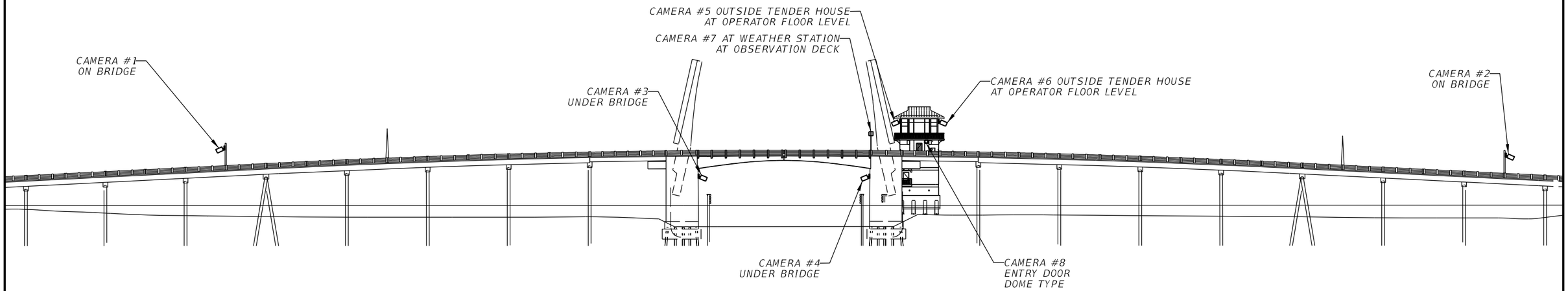
REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: E-1



BRIDGE PLAN VIEW WITH CCTV CAMERA LOCATIONS



BRIDGE ELEVATION WITH CCTV CAMERA LOCATIONS

BRIDGE NO. 010029

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STEPHEN J. CONWAY, P.E.
P.E. NO.: 53532
DRMP, INC.
8001 BELFORT PARKWAY, SUITE 200
JACKSONVILLE, FL 32256

DRAWN BY:	ED
CHECKED BY:	JEH
DESIGNED BY:	SJC
CHECKED BY:	JEH

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: GENERAL ELECTRICAL PLAN

REF. DWG. NO.:

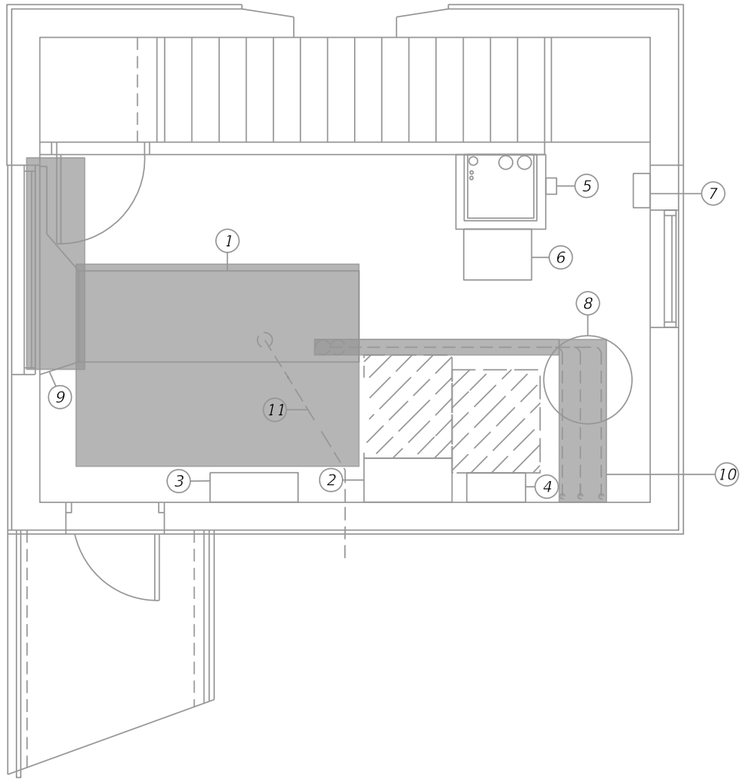
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: E-2

DEMOLITION NOTES:

1. ELECTRICAL EQUIPMENT INDICATED WITH SHADING SHALL BE DISCONNECTED AND REMOVED IN ITS ENTIRETY FOR A COMPLETE DEMOLITION.

2. EXISTING EQUIPMENT INDICATED SHALL REMAIN AND BE MODIFIED AS NOTED.



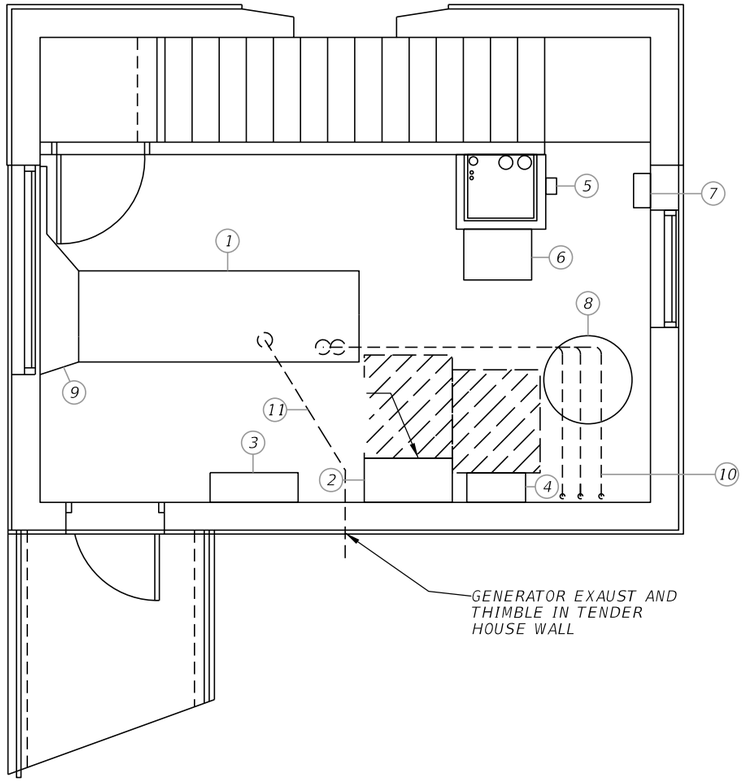
ELECTRICAL ROOM FLOOR PLAN – DEMOLITION

EQUIPMENT LEGEND:

1. STAND BY GENERATOR AND DIESEL FUEL TANK – TO BE REMOVED
2. AUTOMATIC TRANSFER SWITCH – TO REMAIN
3. SURGE SUPPRESSOR CABINET – TO REMAIN
4. MAIN SERVICE DISCONNECT – TO REMAIN
5. GENERATOR EMERGENCY STOP PUSHBUTTON – TO BE REMOVED
6. NAVIGATION LIGHTS UPS – TO REMAIN
7. INTERCOM PA – TO REMAIN
8. WASTEWATER BASIN WITH GRINDER PUMP – TO REMAIN
9. GENERATOR INTAKE AIR DUCT – TO BE REMOVED
10. GENERATOR FUEL FILL PIP, NORMAL CONDUIT (CEILING-MOUNT) – TO BE REMOVED
11. EXHAUST SYSTEM – TO BE REMOVED

NOTES:

1. FOR ELECTRICAL LEGEND, ABBREVIATIONS, NEMA CLASSIFICATIONS, GENERAL DEMOLITION NOTES AND GENERAL NOTES, REFER TO DRAWING E-1.
2. INFORMATION CONTAINED IN THESE PLANS HAS BEEN OBTAINED IN PART FROM EXISTING ELECTRICAL DRAWINGS AND SHOP DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION AND CIRCUITY AFFECTING HIS WORK PRIOR TO MOMMENCING THE WORK FOR THIS CONTRACT.
3. GENERATOR PIPING SHALL BE REPLACED WITH 2" CAST IRON PIPING AND SHALL CONTAIN NO 90 DEGREE BENDS. ONLY 45 DEGREE BENDS ARE ALLOWED TO ALLOW FUEL TO FLOW FREELY FROM THE FILL POINT TO THE GENERATOR FUEL STORAGE TANK.



ELECTRICAL ROOM FLOOR PLAN – MODIFICATIONS

EQUIPMENT LEGEND:

1. PROPOSED STAND BY GENERATOR AND DIESEL FUEL TANK
2. AUTOMATIC TRANSFER SWITCH – TO REMAIN
3. SURGE SUPPRESSOR CABINET – TO REMAIN
4. MAIN SERVICE DISCONNECT – TO REMAIN
5. PROPOSED GENERATOR EMERGENCY STOP PUSHBUTTON
6. NAVIGATION LIGHTS UPS – TO REMAIN
7. INTERCOM PA – TO REMAIN
8. WASTEWATER BASIN WITH GRINDER PUMP – TO REMAIN
9. PROPOSED GENERATOR INTAKE AIR DUCT
10. PROPOSED GENERATOR FUEL FILL PIP, NORMAL CONDUIT (CEILING-MOUNT). SEE NOTE 3.
11. PROPOSED EXHAUST SYSTEM

BRIDGE NO. 010029

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STEPHEN J. CONWAY, P.E.
P.E. NO.: 53532
DRMP, INC.
8001 BELFORT PARKWAY, SUITE 200
JACKSONVILLE, FL 32256

DRAWN BY: ED
CHECKED BY: JEH
DESIGNED BY: SJC
CHECKED BY: JEH

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: ELECTRICAL FLOOR PLAN

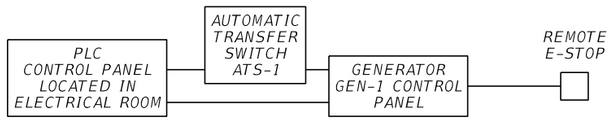
REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

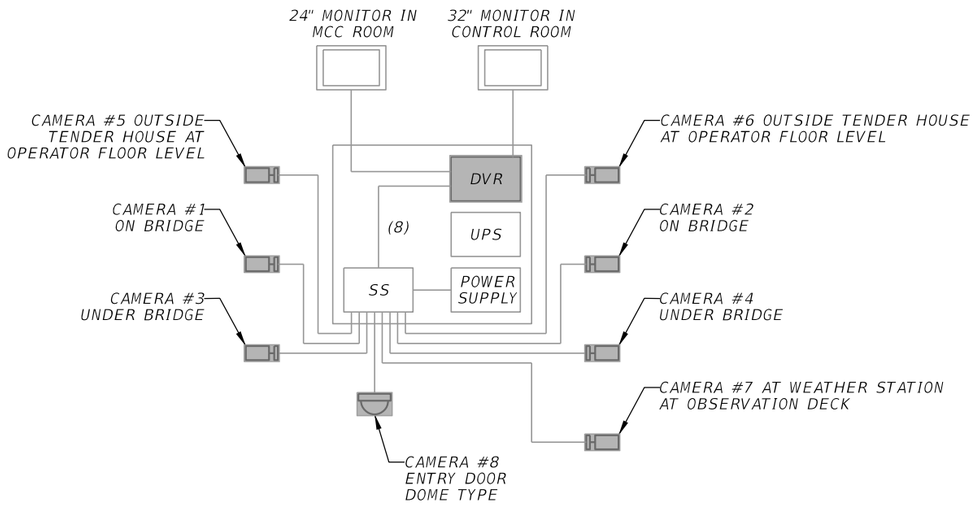
SHEET NO.: E-3

NOTES:

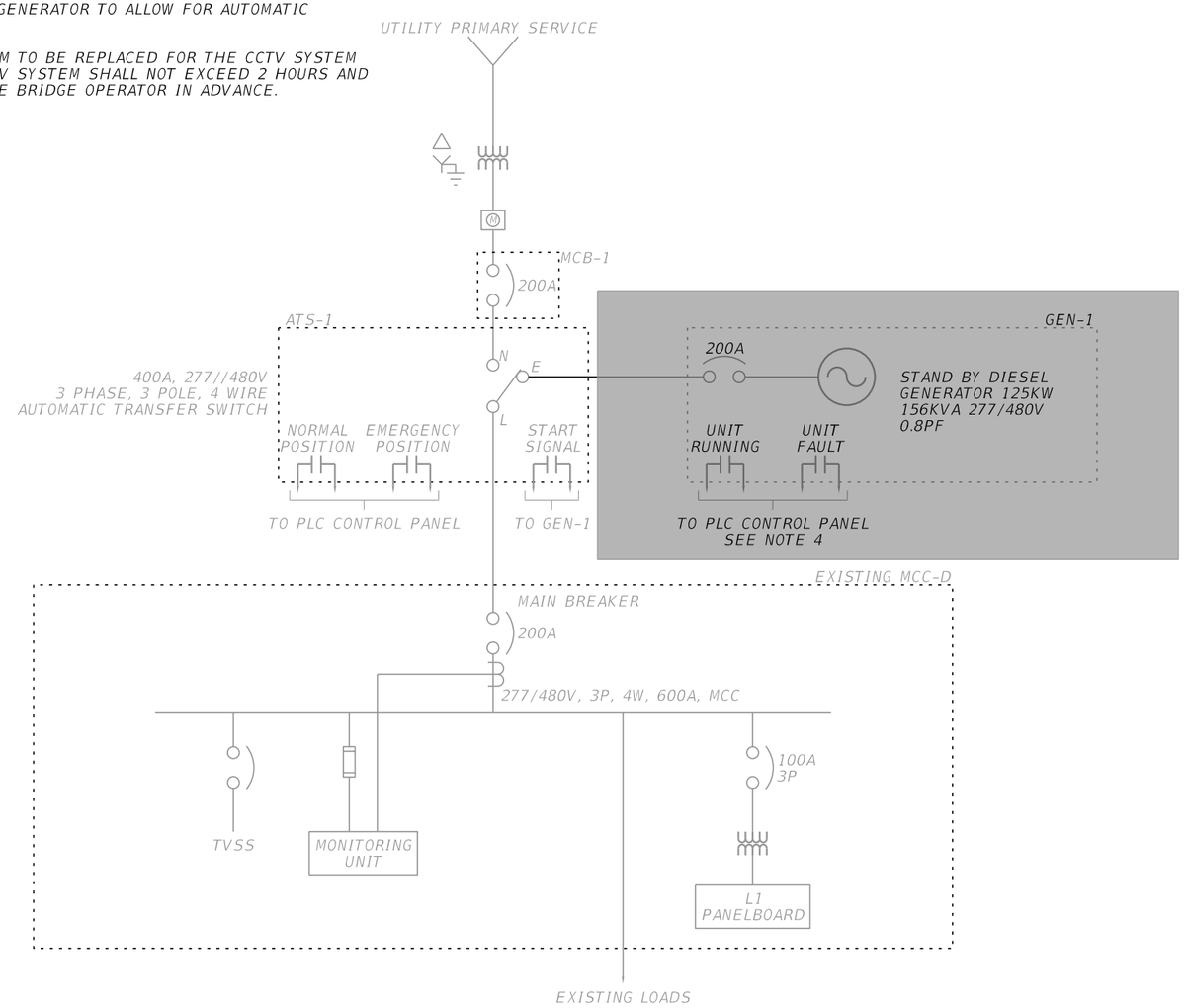
1. FOR ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES, REFER TO DRAWINGS E-1.
2. FOR INFORMATION REGARDING CONDUIT AND WIRING REQUIREMENTS, REFER TO GENERAL NOTES 16, 17, AND 18 ON DRAWING E-1.
3. INFORMATION CONTAINED IN THESE PLANS AND DIAGRAMS HAS BEEN OBTAINED IN PART FROM EXISTING ELECTRICAL DRAWINGS, SITE CONDITIONS AND SHOP DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION AND CIRCUITRY AFFECTING HIS OR HER WORK PRIOR TO COMMENCING THE WORK FOR THIS CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
4. PROVIDE AND COORDINATE ALL AUXILIARY DRY CONTACTS REQUIRED FOR EQUIPMENT INTERCONNECTIONS AS INDICATED ON THE DRAWINGS. EACH EQUIPMENT SUPPLIER SHALL FURNISH THE NECESSARY DRY CONTACTS FOR THEIR EQUIPMENT. REFER TO THE SPECIFICATIONS FOR A DETAILED LIST OF ALL REQUIRED SIGNALS.
5. EXISTING ETHERNET CABLING BETWEEN THE EXISTING CAMERAS AND THE SURGE SUPPRESSOR (SS) AND THE DVR SHALL BE RETAINED AND RESUMED FOR THE NEW CAMERAS.
6. THE EXISTING GENERATOR SHALL BE REMOVED FROM THE OUTSIDE WALL OF THE GENERATOR ROOM AT THE GENERATOR AIR INTAKE. A TEMPORARY CRANE ON THE BRIDGE ROADWAY WILL BE REQUIRED FOR THIS REMOVAL AS WELL AS THE INSTALLATION OF THE REPLACEMENT GENERATOR. A ONE LANE CLOSURE WILL BE REQUIRED TO ALLOW THE TEMPORARY CRANE, TEMPORARY TRAFFIC CONTROL FLAGMEN WILL BE REQUIRED DURING THE INTERVAL THIS ACTIVITY SHALL BE SCHEDULED IN ADVANCE AND COORDINATE WITH THE COUNTY AND THE BRIDGE OPERATOR.
7. A TEMPORARY STANDBY GENERATOR SHALL BE PROVIDED FOR THE TIME TRANSITION FROM THE EXISTING GENERATOR REMOVAL UNTIL THE NEW GENERATOR IS IN PLACE. CONTROL WIRING SHALL BE EXTENDED FROM THE EXISTING ATS TO THE TEMPORARY GENERATOR TO ALLOW FOR AUTOMATIC GENERATOR STARTING.
8. THE DVR SHALL BE THE FIRST ITEM TO BE REPLACED FOR THE CCTV SYSTEM UPGRADE. THE OUTAGE ON THE CCTV SYSTEM SHALL NOT EXCEED 2 HOURS AND SHOULD BE COORDINATED WITH THE BRIDGE OPERATOR IN ADVANCE.



STAND BY DIESEL GENERATOR
CONTROL AND INSTRUMENTATION WIRING DIAGRAM



CCTV DEMOLITION RISER DIAGRAM



ONE LINE DIAGRAM - DEMOLITION PLAN

BRIDGE NO. 010029

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STEPHEN J. CONWAY, P.E.
P.E. NO.: 53532
DRMP, INC.
8001 BELFORT PARKWAY, SUITE 200
JACKSONVILLE, FL 32256

DRAWN BY:	ED
CHECKED BY:	JEH
DESIGNED BY:	SJC
CHECKED BY:	JEH

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: ONE LINE DIAGRAM

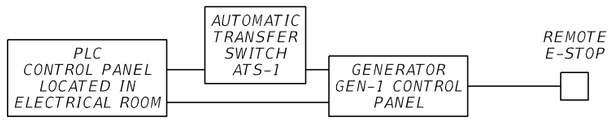
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

REF. DWG. NO.

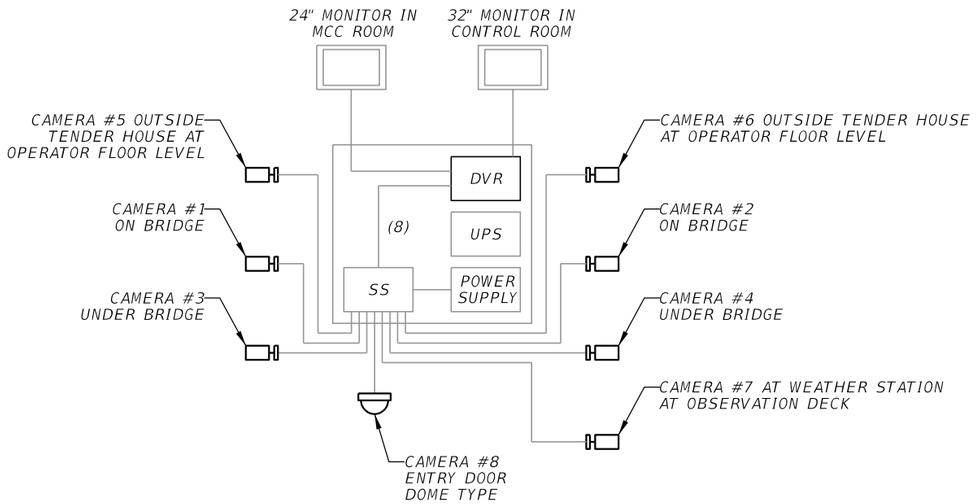
SHEET NO. E-4

NOTES:

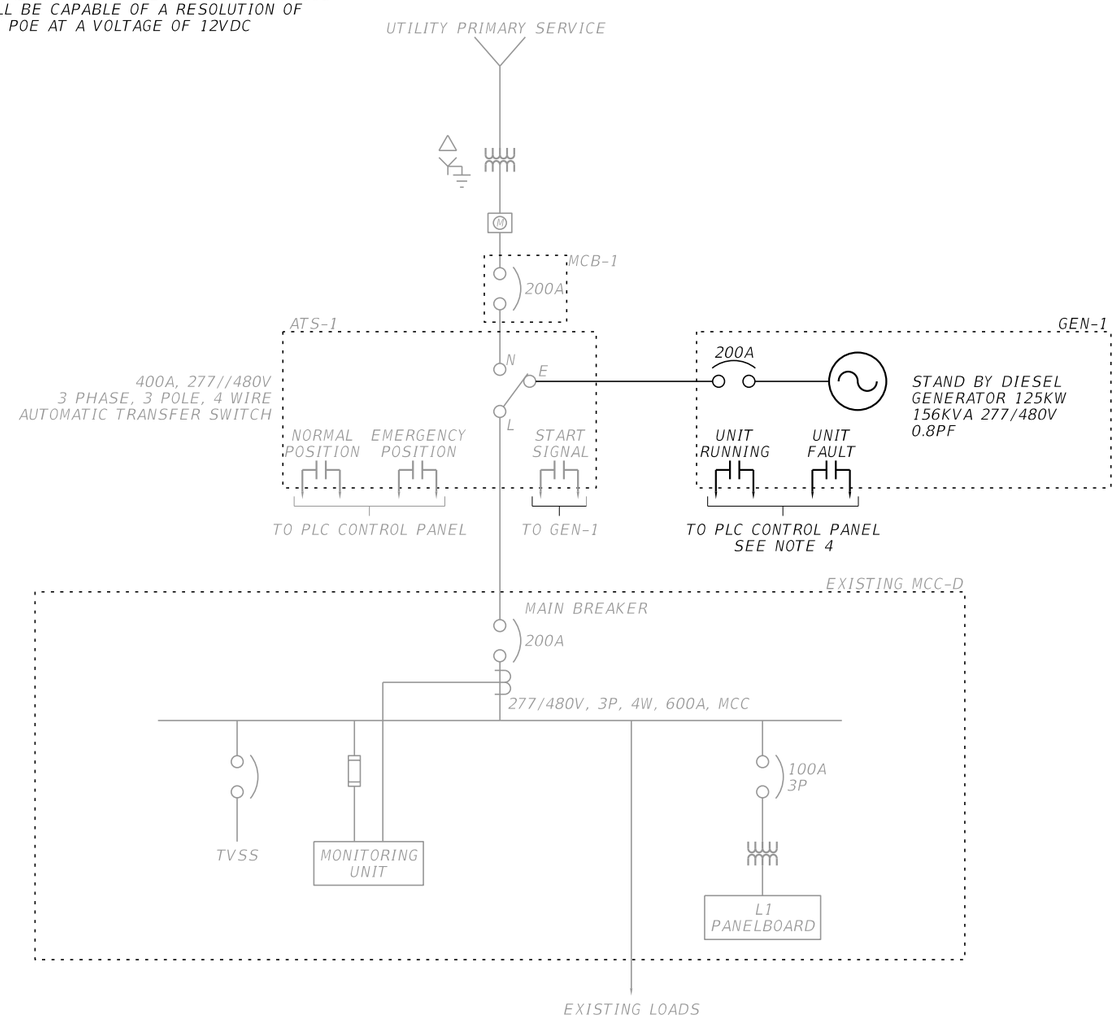
1. FOR ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES, REFER TO DRAWINGS E-1.
2. FOR INFORMATION REGARDING CONDUIT AND WIRING REQUIREMENTS, REFER TO GENERAL NOTES 16, 17, AND 18 ON DRAWING E-1.
3. INFORMATION CONTAINED IN THESE PLANS AND DIAGRAMS HAS BEEN OBTAINED IN PART FROM EXISTING ELECTRICAL DRAWINGS, SITE CONDITIONS AND SHOP DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION AND CIRCUITRY AFFECTING HIS OR HER WORK PRIOR TO COMMENCING THE WORK FOR THIS CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
4. PROVIDE AND COORDINATE ALL AUXILIARY DRY CONTACTS REQUIRED FOR EQUIPMENT INTERCONNECTIONS AS INDICATED ON THE DRAWINGS. EACH EQUIPMENT SUPPLIER SHALL FURNISH THE NECESSARY DRY CONTACTS FOR THEIR EQUIPMENT. REFER TO THE SPECIFICATIONS FOR A DETAILED LIST OF ALL REQUIRED SIGNALS.
5. EXISTING ETHERNET CABLING BETWEEN THE EXISTING CAMERAS AND THE SURGE SUPPRESSOR (SS) AND THE DVR SHALL BE RETAINED AND RESUMED FOR THE NEW CAMERAS.
6. NETWORK VIDEO RECORDER (NVR) SHALL HAVE A MINIMUM OF 8 BUILT-IN POE (IEEE 802.3-AF) CAMERA INPUT CHANNELS WITH PTZ AND DOME CAMERA SUPPORT. NVR SHALL HAVE PLUG-AND-PLAY CAMERA CAPABILITY AND DIGITAL ZOOM ON LIVE AND RECORDED VIDEO. NVR SHALL INCLUDE SUFFICIENT MEMORY FOR A MINIMUM OF 12 DAYS OF STORAGE WITH A 30 FPS RATE WITH 8 CAMERAS AT FULL HD (1920X1080).
7. OUTDOOR BULLET CAMERAS SHALL INCLUDE A MOTORIZED VARIFOCAL LENS AND UTILIZE H.264 DATA COMPRESSION TECHNOLOGY. CAMERA SHALL BE COLOR AND INCLUDE TRUE DAY/NIGHT FUNCTIONALITY TO CAPTURE IMAGES IN VARIOUS LIGHTING SCENARIOS. CAMERA SHALL BE CAPABLE OF A RESOLUTION OF 1920X1080. CAMERA SHALL UTILIZE POE AT A VOLTAGE OF 12VDC (IEEE 802.3-AF).



STAND BY DIESEL GENERATOR
CONTROL AND INSTRUMENTATION WIRING DIAGRAM



CCTV DEMOLITION RISER DIAGRAM - MODIFICATIONS PLAN



ONE LINE DIAGRAM - MODIFICATIONS PLAN

BRIDGE NO. 010029

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STEPHEN J. CONWAY, P.E.
P.E. NO.: 53532
DRMP, INC.
8001 BELFORT PARKWAY, SUITE 200
JACKSONVILLE, FL 32256

DRAWN BY: ED
CHECKED BY: JEH
DESIGNED BY: SJC
CHECKED BY: JEH

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: ONE LINE DIAGRAM

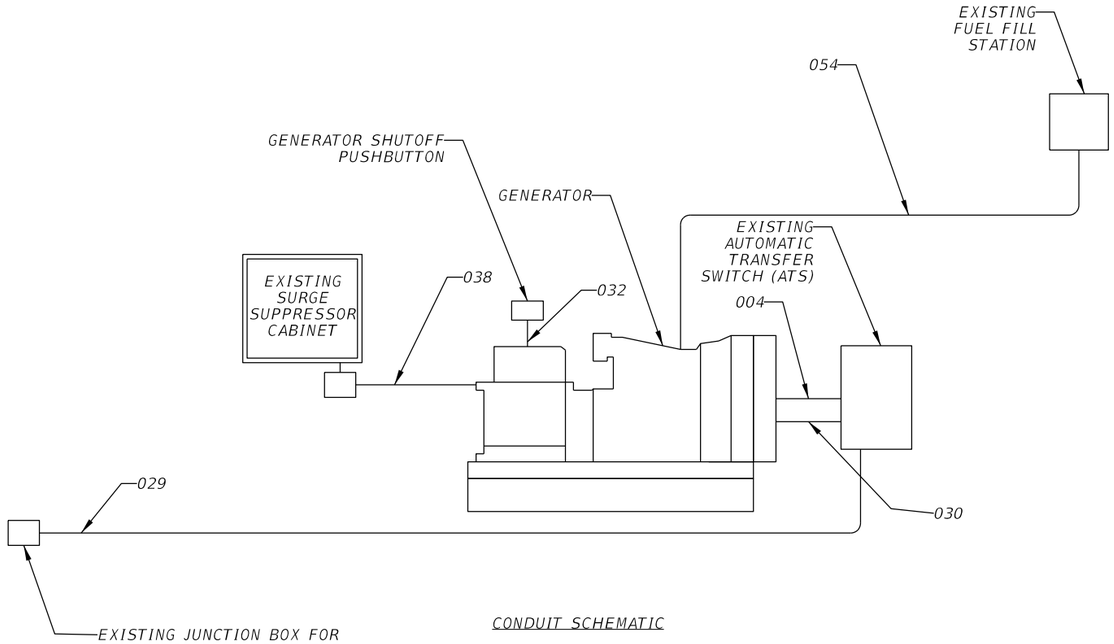
PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

REF. DWG. NO.

SHEET NO. E-5

COND. NO.	TRADE SIZE	FROM	TO	WIRE QUANTITY	WIRE SIZE
004	4 INCHES	GENERATOR	AUTOMATIC TRANSFER SWITCH	4	250 KCMIL
029	1 INCH	JB	ATS	4	#12 AWG
030	1 INCH	ATS	GENERATOR	4	#12 AWG
032	1 INCH	GENERATOR	SHUTOFF BUTTON	2	#12 AWG
038	PER MANUF.	GENERATOR	JB	PER MANUF.	PER MANUF.
054	3 INCHES	GENERATOR	FUEL FILL STATION	10	#12

CONDUIT AND CONDUCTOR SCHEDULE



CONDUIT SCHEMATIC

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STEPHEN J. CONWAY, P.E.
P.E. NO.: 53532
DRMP, INC.
8001 BELFORT PARKWAY, SUITE 200
JACKSONVILLE, FL 32256

DRAWN BY: ED
CHECKED BY: JEH
DESIGNED BY: SJC
CHECKED BY: JEH

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: CONDUIT ROUTE

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: E-6

PANEL SCHEDULE				LOCATION: TENDER HOUSE					MAIN: 125 A			
LP LIGHTING PANEL				PANEL TYPE: 42 CIRCUIT, 60Hz WITH GROUND BUS					BUS/FRAME SIZE: 225A			
				PANEL ENCLOSURE: NEMA 1					PANEL MOUNTING: SURFACE			
				VOLTAGE: 120/208VAC, 3-PH, 4W WITH NEUTRAL					BRANCH CB RATING: 25 kAIC			
CIRCUIT NO.	LOAD DESCRIPTION	LOAD (kVA)	CIRCUIT BREAKER (A)	WIRE SIZE (AWG)	LOAD (kVA/PHASE)			WIRE SIZE (AWG)	CIRCUIT BREAKER (A)	LOAD (kVA)	LOAD DESCRIPTION	CIRCUIT NO.
					A	B	C					
1	ELECTRICAL LEVEL RECEPTACLES	1	15	#12	1.75			#12	15	0.75	GATE HOUSE RECEPTACLES	2
3	ELECTRICAL LEVEL LIGHTING	0.3	15	#12		0.6		#12	15	0.3	NEAR MACHINERY AREA RECEPTACLES	4
5	GENERATOR LEVEL RECEPTACLES	0.5	15	#12			0.75	#12	15	0.25	NEAR MACHINERY AREA LIGHTING	6
7	GENERATOR LEVEL LIGHTING	0.25	15	#12	0.55			#12	15	0.3	FAR MACHINERY AREA RECEPTACLES	8
9	ENTRY LEVEL RECEPTACLES	1	15	#12		1.25		#12	15	0.25	FAR MACHINERY AREA LIGHTING	10
11	RESTROOM	0.25	15	#12			0.75	#12	15	0.5	NEAR SPAN DRIVE EQUIPMENT HEATERS	12
13	ENTRY LEVEL LIGHTING	0.25	15	#12	0.75			#12	15	0.5	FAR SPAN DRIVE EQUIPMENT HEATERS	14
15	OBSERVATION LEVEL STAIR LTG.	0.75	15	#12		0.95		#12	15	0.2	SUBCABLE ENCLOSURE HEATERS	16
17	OBSERVATION LVL. OUTDOOR REC.	0.75	15	#12			1.75	#12	15	1	CONTROL SYSTEM	18
19	OBSERVATION LVL. INDOOR REC.	0.75	20	#12	1			#12	15	0.75	COMM. & CCTV SYSTEMS	20
21	OBSERVATION LEVEL LIGHTING	0.75	15	#12		1.5		#12	15	0.75	NAVIGATION LIGHTING SYSTEM	22
23	HOUSE EXTERIOR LIGHTING	0.75	15	#12			1.5	#12	15	0.75	ENERGY RECOVERY VENTILATOR	24
25	SPAN LOCK AREA RECEPTACLES	0.3	15	#12	3.3			#6	50	3	AIR CONDITIONING SYSTEM PHASE A	26
27	CHANNEL FLOODLIGHT	0.25	15	#12		3.25		#6	50	3	AIR CONDITIONING SYSTEM PHASE B	28
29	GRINDER PUMP	1.5	20	#10			4.5	#6	50	3	AIR CONDITIONING SYSTEM PHASE C	30
31	GENERATOR 7 FUEL SYSTEM	0.5	20	#12	0.5			#10	15	0.25	AIR HORN PHASE A	32
33	MICROWAVE	0.25	20	#12		0.5		#10	15	0.25	AIR HORN PHASE B	34
35	REFRIGERATOR	0.25	20	#12			3.25	#6	50	3	WATER HEATER PHASE A	36
37	SPARE		15		3			#6	50	3	WATER HEATER PHASE B	38
39	SPARE		15			0			15		SPARE	40
41	SPARE		15				0		15		SPARE	42
TOTAL CONNECTED LOAD (kVA):						31.9						

BRIDGE NO. 010029

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STEPHEN J. CONWAY, P.E.
P.E. NO.: 53532
DRMP, INC.
8001 BELFORT PARKWAY, SUITE 200
JACKSONVILLE, FL 32256

DRAWN BY:	CHECKED BY:	DESIGNED BY:	CHECKED BY:
ED	JEH	SJC	JEH

CHARLOTTE COUNTY PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	CHARLOTTE	25-338

SHEET TITLE: LIGHTING PANEL SCHEDULE

REF. DWG. NO.:

PROJECT NAME: TOM ADAMS BRIDGE REHABILITATION

SHEET NO.: E-7